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Commercial Fertilizers

This Bulletin constitutes a report of the fertilizer control work carried on from January 1, to August 1, 1925, together with a summary of the 1924 tonnage records.

It is intended to furnish Maryland fertilizer users with information as to the quality of the approximate 150,000 tons of fertilizer which they annually purchase.

Prospective buyers should consult this publication and use it in conjunction with "Fertilizer Registrations" as a guide in the purchase of fertilizing materials.

FERTILIZER INSPECTION SERVICE

Controlled by

UNIVERSITY OF MARYLAND

COLLEGE PARK, MD.

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COMMERCIAL FERTILIZERS

January 1, 1925—August 1, 1925

Compiled and edited under the supervision and direction of N. E. Gordon, State Chemist, and L. E. Bopst, in charge of Feed, Fertilizer and Lime Departments.

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The inspection, analysis and control work of the fertilizer and feed trade is carried on by the State Department, but the State Department is so related to the chemical work of the University that the other men of the Chemical Staff who are mentioned below may be called on for help in time of need; and, furthermore, it is the purpose of the majority of this Chemical Staff to be carrying on some investigations which bear directly or indirectly on the properties of fertilizers, feed and lime.

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INTRODUCTION

During the spring season of 1925 inspectors of the Maryland Fertilizer Control Service obtained 746 samples of commercial fertilizers from shipments found offered for sale thruout the State, as compared to 669 samples obtained during the corresponding period last year. The increase in the number of samples taken was due to the special drive made to secure as many shipments of high ammoniated goods as practical—since early reports indicated deficiencies therein. All samples secured were subjected to chemical examination to establish the correctness of guarantees found on sacks or attached cards.

It is with a great deal of regret that we announce many deficiencies for the past season—more than has been encountered in any similar period in recent years. This announcement should not, however, be taken to imply willful disposition on the part of the manufacturers to defraud their customers. By far the greater number of deficiencies were shortages in ammonia and occurred most frequently in goods of high grade. In many cases investigation showed that there had been a loss of ammonia after the fertilizer had been mixed. Manufacturers in general have made every possible effort to discover and eliminate the causes of such deficiencies. This Department feels that it would do less than justice to the fertilizer trade in general if it failed to publicly and appreciatively acknowledge the commendable spirit in which most manufacturers have cooperated in the effort to keep the market free of deficient goods.

FREE FERTILIZER ANALYSES FOR FARMERS

The Fertilizer Department requests that farmers who submit samples for examination, in accordance with Section 9, of the Law (Act of 1922), will cooperate with its laboratories to the extent of observing the recommendations outlined below.

The value of an analysis rests to a large extent on the authenticity of the sample. To insure that a sample shall be representative of the lot from which it is taken, the following points should be observed:

1. Sample only undamaged bags.
2. Draw lots from a number of bags (10 or more whenever possible).
3. If no "tryer" is available draw from the center and bottom of each bag as well as from the top.
4. Thoroughly mix all lots drawn and fill mailing container from the mixed sample.

In order to eliminate waste of materials and of analysts' time, please state what plant food constituents a sample may be expected to contain. Unnecessary delay and trouble are caused by attempting to determine ammonia in a mixture which is intended to include only phosphoric acid and potash.

It is not necessary to give the guaranteed analysis, the grade, or the name of the manufacturer or dealer, since these factors do not in any way affect the examination of the sample.

After the results of the analysis have been reported to the sender of the sample, he should return to the Department the lower portion

of the *sampling* slip, properly filled out. Unless this information is added to our records, the work performed is of no public interest, and should not be carried out at public expense.

MARYLAND FERTILIZER FACTS FOR 1924

The information assembled from the fertilizer tonnage reports for the year 1924 is briefly outlined for the reader's convenience in the following tables:

Number of firms registered	80
Number of brands registered	905
Number of analyses registered	169
Number of complete fertilizers	116
Number of ammonia and phosphoric acid mixtures	10
Number of phosphoric acid and potash mixtures	17
Number of miscellaneous mixtures	24

Total tonnage sold	151,211.1
Complete fertilizer tonnage	98,467.0
Ammonia and phosphoric acid tonnage	1,341.0
Phosphoric acid and potash tonnage	13,661.0
Sixteen per cent. acid phosphate tonnage	20,503.0
Miscellaneous tonnage	17,514.0
Tonnage of out of State firms	6,231.0

Mixed fertilizers containing 14 or more units of Plant Food:	
Complete fertilizers	67,380.0
Ammonia and phosphoric acid mixtures	591.0
Phosphoric acid and potash mixtures	12,911.0
Total	80,882.0

FIFTEEN BRANDS SHOWING LARGEST TONNAGE—1924

No.	Analyses	Units of Plant Food	Tons Sold
1	0-16-0	16	20,128
2	2-8-5	15	13,934
3	7-6-5	18	10,106
4	0-12-5	17	9,457
5	1-9-3	13	7,082
6	1-8-4	13	6,594
7	4-8-4	16	6,207
8	5-8-5	18	4,980
9	2-8-2	12	4,790
10	Kainit	12-14	3,470
11	2-12-2	16	3,414
12	2-9-2	13	3,222
13	2-8-10	20	2,646
14	5-7-5	17	2,338
15	3-8-3	14	2,208

TONNAGE OF MARYLAND STANDARD TWELVE

Analysis	Units of Plant Food	TONS SOLD		
		1922	1923	1924
7-6-5	18	7,456	9,084	10,106
4-8-4	16	4,227	4,800	6,207
5-8-5	18	3,090	4,269	4,980
2-12-2	16	1,652	1,786	3,414
0-12-6	18	818	952	1,344
0-10-4	14	696	753	754

10-5-0	15	251	133	173
2-12-4	18	0	116	1,186
3-10-6	19	0	10	316
6-8-4	18	0	0	116
3-8-8	19	0	0	936
4-12-0	16	0	0	0.1
Total Tons Sold		18,190	21,903	29,532.1

Tonnage Report of Various Grades of Fertilizers Used in Maryland in 1924

Guaranteed	Tons	Guaranteed	Tons
.15-8-2	100.	2-8½-2	71.
½-7-2	33.	2-9-2	3222.
½-8-2	574.	2-9-3	337.
½-8-4	66.	2-9-5	1588.
½-9-2	89.	2-9-6	90.
½-9-4	620.	2-10-2	446.
½-10-1	143.	2-10-4	630.
1-6½-1	80.	2-10-5	154.
1-7-1	59.	2-10-6	150.
1-7-3	15.	2-11-3	46.
1-8-1	899.	2-12-1¼	17.
1-8-2	1210.	2-12-2	3414.
1-8-3	196.	2-12-4	1186.
1-8-4	6594.	2-12-6	380.
1-8-5	19.	2-12-8	134.
1-8-6	311.	2-14-4	82.
1-9-2	735.	2-16-2	14.
1-9-3	7082.	2¼-10-4	74.
1-9-4	890.	2½-8-3	16.
1-10-1	79.	2½-20-5	43.
1-10-2	1887.	2¾-12-2	100.
1-10-3	250.	3-6-6	234.
1-10-4	1423.	3-7-5	116.
1-10-5	481.	3-7-7	29.
1-11-4	379.	3-8-2	118.
1-12-1	194.	3-8-3	2208.
1-12-5	89.	3-8-4	720.
1-14-5	58.	3-8-5	852.
1¼-8-2	40.	3-8-7	487.
1¼-9-1½	40.	3-8-8	936.
1¼-9-2	182.	3-9-2	176.
1¼-10-2	100.	3-9-3	21.
1½-8-3	20.	3-9-5	95.
1½-10-3	100.	3-10-3	123.
1½-12-5	294.	3-10-6	316.
1½-17-5	128.	3-12-3	455.
1¾-7-2	174.	3½-5¼-4	14.
1¾-7-3	277.	4-6-5	225.
2-4-6	15.	4-7-1	13.
2-6½-4½	60.	4-7-4	12.
2-7-5	34.	4-8-3	145.
2-7-7	250.	4-8-4	6207.
2-8-2	4790.	4-8-5	579.
2-8-3	1574.	4-8-6	1100.
2-8-4	1970.	4-8-7	277.
2-8-5	13934.	4-8-8	2.
2-8-6	74.	4-8-10	35.
2-8-7	24.	4-9-3	9.
2-8-8	330.	4-12-4	45.
2-8-10	2646.	5-6-5	611.

Guaranteed	Tons
5-7-3	58.
5-7-5	2338.
5-8-3	26.
5-8-5	4980.
5-8-6	20.
5-8-7	5.
5-8-8	3.
5-10-5	7.
6-6-8	190.
6-7-5	70.
6-8-4	116.
6-8-8	656.
7-6-5	10106.
7-8-5	1.
7-9-6	7.
8-4-2	94.
10-5-2	222.
1-10-0	168.
1½-10-0	9.
1½-14-0	181.
1¾-7-0	14.
4-12-0	0.1
5-8-0	448.
6-6-0	110.
10-2-0	1.
10-4-0	237.
10-5-0	173.
0-6-7	123.
0-8-2	20.
0-8-5	137.
0-8-6	100.
0-8-7	75.
0-9-4	73.
0-10-2	397.
0-10-4	754.
0-10-5	971.

Guaranteed	Tons
0-10-10	22.
0-11-4	105.
0-12-2	1.
0-12-3	21.
0-12-4	21.
0-12-5	9457.
0-12-6	1344.
0-12-10	40.
Lime Phos. -13-	1374.
Acid Phos. -12-	40.
Acid Phos. -13-	124.
Acid Phos. -14-	170.
Acid Phos. -16-	20503.
Acid Phos. -20-	105.
Kainit	3470.
Sulphate of Potash	93.
Muriate	957.
Nitrate of Soda	1187.
Sulphate of Ammonia	398.
Fish	80.
Tankage	566.
Blood	52.
Steamed Bone	402.
Raw Bone	1201.
Dissolved Bone	136.
Mixed to Order	6391.
Sheep Manure	179.
Poultry Manure	15.
Cattle Manure	18.
Peruvian Guano	17.
Lime and Potash	119.
Miscellaneous	43.
Micro-Organisms	2.
Total Tonnage	151,211.1

TONNAGE SUMMARY

The two tables below set forth briefly the chief items of public interest compiled from the tonnage reports of fertilizer manufacturers doing business in Maryland in 1924. For purposes of comparison, 1923 figures are furnished also.

Since the amount of fertilizer "mixed to order" was quite small as compared to the total tonnage, no attempt has been made to classify mixed-to-order shipments. The percentages given in the tables are based on total tonnage, exclusive of mixed-to-order goods.

Table I

	1924 Per cent	1923 Per cent
Total Tonnage	100.00	100.00
Complete Fertilizers	65.11	63.13
Phosphoric Acid and Potash Mixtures	9.03	10.63
Ammonia and Phosphoric Acid Mixtures	0.88	0.75
Acid Phosphate 16 per cent	13.56	15.24
Miscellaneous	11.58	10.23
Out-of-State Firms	4.12	4.33
Maryland Standard Twelve	26.00	18.94

All goods containing 14 or more units of plant food is designated as "High Grade;" goods containing less than 14 units is designated as "Low Grade." The distribution between the high and low grade goods is recorded in Table II.

Table II

	High Grade		Low Grade	
	1924	1923	1924	1923
Complete Fertilizers	68.43	58.65	31.57	41.35
Ammonia & Phosphoric Acid Mixtures	44.07	42.57	57.43	58.28
Phosphoric Acid & Potash Mixtures	94.51	90.02	5.49	9.98
Total Mixed Fertilizers	71.28	62.95	28.72	37.05

The reader will note that the demand for high grade goods continues to increase, and that sales of the "Maryland Standard Twelve" reported in 1924 exceed those of 1923 by 7,629 tons; the 7-6-5 grade leading the list with 10,106 tons sold. The greatest popularity as evidenced by sales records, must, however, be conceded to an analysis not included in the Standard Twelve—the 2-8-5—of which 13,934 tons were sold in Maryland during the past year.

It is also encouraging to note that the campaign in effect to reduce the wasteful multiplicity of brands is having some effect. This Department hopes that the elimination of unnecessary brands will continue. The saving effected in branding, licensing, advertising and duplication of effort generally, should amply repay steps in that direction.

Values for Spring of 1925

Since the analysis in our laboratory gives the percentage or pounds per hundred, it is only necessary to multiply the price per pound by twenty in order to get the value of one per cent for one ton of fertilizer. This is designated in the following table as the value per unit. A unit is one per cent of one ton, or twenty pounds.

Table For Calculating Fertilizer Values

	Per Unit
(1) Nitrogen calculated as Ammonia	$4.00
(2) Available Phosphoric Acid	
(a) In mixed fertilizers or in dissolved rock	.60
(b) In tankage or ground bone	.50
(3) Insoluble Phosphoric Acid	.15
(4) Potash	.80

VALUES

In order to compare values of fertilizers multiply the percentage of each plant food in the fertilizer by the respective value per unit given in the table and add the results together: For example, in the case of a complete fertilizer with an analysis of 4-8-5, we would have four per cent of ammonia, eight per cent of phosphoric acid and five per cent of potash. Since, by the above table, ammonia is worth $4.00 per unit, available phosphoric acid 60 cents, and potash 80 cents, we have $24.80.

4 x $4.00 = $16.00 value of ammonia in one ton.
8 x 0.60 = 4.80 value of phosphoric acid in one ton.
5 x 0.80 = 4.00 value of potash in one ton.

$24.80

Explanation of Tables and Values

In the tables which follow, the results of the analyses of official samples collected by our inspectors from January 1, 1925, to July 1, 1925, are recorded. The columns headed "Found," and printed in heavy type contain the statement of the amounts of the various constituents present, as determined by our analysts. The columns headed, "Guaranteed," and printed in lighter type offer, for purposes of comparison, the percentages guaranteed by the manufacturers.

We wish to reiterate former statements to the effect that any impression that the "Comparative Values" given are intended to represent fair retail selling prices is utterly erroneous. These values are calculated from the season's average prices of the various sources of plant food and do not take into account costs of mixing, bagging and transportation, taxes, bad accounts, overhead, or a fair return upon money invested. They are intended to furnish only a supplementary means of comparison between the commercial value guaranteed by the manufacturer and that found in our laboratories.

Some State Inspection Departments attempt to approximate a fair selling price by adding a flat 20 per cent to their base values to cover the items mentioned above. While this Department does not attempt to translate its comparative values into retail prices, this item of information is set forth as an indication of what differential is being allowed by certain other states before retail selling prices are considered.

It should be remembered that a fertilizer may fail to meet its guaranty and yet show a comparative value as great or greater than that calculated from the guaranty. For example, due to the difference in the prices of ammonia and potash, a mixture which analyzed one per cent low in potash and one-half per cent high in ammonia would show a comparative value greater than that guaranteed. An overage in one constituent, however, is not to be considered as compensating for a shortage in another. Each constituent must meet its individual guaranty.

TABLES

The following pages contain a detailed report of the results obtained in the inspection of fertilizers from January 1, to August 1, 1925:

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Agricultural Corporation of Md.,	**Balto., Md.**												
Animal Tankage	Easton	-----	-----	**8.79**	9.00	------	------	***10.80**	***9.15**	-----	-----	**$40.56**	$40.58
Animal Tankage	Easton	-----	-----	**8.50**	9.00	------	------	***9.90**	***9.15**	-----	-----	**38.95**	40.58
Farm Bureau Acid Phos. 16%	Baltimore	-----	-----	-----	-----	**2.75**	------	**16.35**	16.00	-----	-----	**10.22**	9.60
Farm Bureau Acid Phos. 16%	Baltimore	-----	-----	-----	-----	**.85**	------	**16.15**	16.00	-----	-----	**9.82**	9.60
Farm Bureau 5-8-5	Baltimore	**3.83**	3.25	**4.89**	5.00	**1.70**	------	**8.50**	8.00	**4.13**	5.00	**28.22**	28.80
Farm Bureau 5-8-7	Lusby	**4.53**	3.25	**5.31**	5.00	**1.05**	------	**8.75**	8.00	**7.00**	7.00	**32.25**	30.40
Farm Bureau 7-6-5	Baltimore	**5.26**	4.70	**7.00**	7.00	**2.70**	------	**6.60**	6.00	**5.04**	5.00	**36.40**	35.60
Farm Bureau 3-8-3	Lusby	**2.44**	1.50	**3.04**	3.00	**1.50**	------	**8.10**	8.00	**3.92**	3.00	**20.39**	19.20
Farm Bureau 2-12-2	Baltimore	**1.57**	1.15	**2.08**	2.00	**1.65**	------	**11.20**	12.00	**2.32**	2.00	**17.15**	16.80
Md. Public Formula Fert. 4-8-4	Port Republic	**3.25**	2.70	**4.15**	4.00	**1.90**	------	**9.95**	8.00	**4.28**	4.00	**26.28**	24.00
Md. Public Formula Fert. 2-8-10	Baltimore	**1.59**	1.15	**2.15**	2.00	**2.25**	------	**9.95**	8.00	**8.32**	10.00	**21.57**	20.80
Md. Public Formula Fert. 2-8-10	Baltimore	**1.74**	1.15	**2.30**	2.00	**2.75**	------	**8.85**	8.00	**9.44**	10.00	**22.47**	20.80
Md. Public Formula Fert. 2-8-2	Baltimore	**1.57**	1.00	**2.34**	2.00	**1.70**	------	**10.95**	8.00	**3.18**	2.00	**18.73**	14.40
Md. Public Formula Fert. 2-12-2	Baltimore	**1.64**	1.15	**2.17**	2.00	**.48**	------	**12.87**	12.00	**2.44**	2.00	**18.42**	16.80
Md. Public Formula Fert. 2-12-2	Baltimore	**1.57**	1.15	**2.18**	2.00	**1.80**	------	**11.87**	12.00	**2.96**	2.00	**18.48**	16.80
Md. Public Formula Fert. 0-12-5	Baltimore	-----	-----	-----	-----	**1.15**	------	**11.95**	12.00	**5.68**	5.00	**11.88**	11.20
Md. Tob. Pub. Form. Fert. 5-8-5	Baltimore	**5.10**	3.25	**6.21**	5.00	**1.55**	------	**8.05**	8.00	**5.12**	5.00	**34.00**	28.80
Md. Tob. Pub. Form. Fert. 5-8-7	Baltimore	**5.00**	3.25	**5.85**	5.00	**.85**	------	**8.25**	8.00	**7.40**	7.00	**34.40**	30.40
Md. Tob. Pub. Form. Fert. 4-8-4	Baltimore	**3.57**	2.70	**5.16**	4.00	**2.15**	------	**8.15**	8.00	**3.80**	4.00	**28.89**	24.00
Md. Tob. Pub. Form. Fert. 4-8-7	Baltimore	**4.83**	2.00	**5.72**	4.00	**1.20**	------	**8.40**	8.00	**7.16**	7.00	**33.83**	26.40
Md. Tob. Pub. Form. Fert. 7-6-5	Baltimore	**5.67**	4.70	**7.00**	7.00	**1.85**	------	**6.85**	6.00	**5.76**	5.00	**37.00**	35.60
Md. Tob. Pub. Form. Fert. 3-8-3	Baltimore	**3.55**	.75	**3.99**	3.00	**1.30**	------	**8.60**	8.00	**3.32**	3.00	**23.98**	19.20
Md. Tob. Pub. Form. Fert. 3-8-3	Baltimore	**2.93**	.75	**4.30**	3.00	**1.93**	------	**7.32**	8.00	**3.04**	3.00	**24.31**	19.20
Nitrate of Soda	Baltimore	-----	-----	**17.57**	18.25	------	------	------	------	-----	-----	------	------
Sulphate of Potash	Baltimore	-----	-----	-----	-----	------	------	------	------	**48.10**	48.00	------	------

American Agricultural Chem. Co., New York, N. Y.														
Acid Phosphate 16%	Baltimore					1.25		16.25	16.00			9.94	9.60
Acid Phosphate 16%	Baltimore					.40		16.30	16.00			9.84	9.60
Agrico Fertilizer for Corn	Baltimore	2.42	1.52	2.76	3.00	1.10		10.10	10.00	6.16	6.00	22.20	22.80
Agrico Fertilizer for Corn	Baltimore	2.40	1.52	2.84	3.00	.70		10.00	10.00	6.00	6.00	22.27	22.80
Agrico Fertilizer for Grain	Baltimore	1.09	1.03	1.77	2.00	.95		12.05	12.00	4.20	4.00	17.81	18.40
Agrico Fertilizer for Potatoes	Baltimore	3.14	2.13	3.65	4.00	.90		8.40	8.00	6.00	6.00	24.58	25.60
Basic Lime Phosphate	Baltimore					3.45	1.00	11.60	13.00			7.48	7.95
Basic Lime Phosphate	Baltimore					3.10	1.00	12.00	13.00			7.67	7.95
Basic Lime Phosphate	Baltimore					2.60	1.00	12.25	13.00			7.74	7.95
Dead Shot Phosphate	Baltimore	1.55	.43	1.98	1.00	1.45		8.25	7.00	1.99	1.00	14.68	9.00
Early Trucker Grower	Baltimore	4.44	2.92	5.09	5.00	.75		6.95	7.00	5.12	5.00	28.74	28.20
Early Trucker Grower	Baltimore	4.35	2.92	5.00	5.00	.65		7.05	7.00	5.12	5.00	28.43	28.20
5-8-0 Fertilizer	Baltimore	4.08	2.92	4.81	5.00	.90		8.10	8.00			24.24	24.80
Golden Leaf Tobacco Guano	Baltimore	3.07	2.13	3.68	4.00	.65		8.15	8.00	6.14	6.00	24.62	25.60
Golden Leaf Tobacco Guano	Baltimore	3.25	2.13	3.81	4.00	.90		8.10	8.00	6.00	6.00	25.04	25.60
Great Crop Fish Fertilizer	Baltimore	3.37	2.13	3.88	4.00	1.00		8.00	8.00	4.04	4.00	23.70	24.00
Great Crop Fish Fertilizer	Baltimore	3.48	2.13	4.06	4.00	.80		7.75	8.00	4.04	4.00	24.24	24.00
High Grade Potash Compound	Baltimore	1.67	1.03	2.06	2.00	1.20		8.30	8.00	9.64	10.00	21.11	20.80
Kainit	Baltimore									13.64	12.40		
Matchless Potash Manure	Baltimore	1.59	1.03	1.98	2.00	.10		8.60	8.00	2.13	2.00	14.80	14.40
Nitrate of Soda	Baltimore			18.24	18.23								
Peerless Veg. and Grain Grower	Baltimore	1.63	1.03	2.01	2.00	1.25		8.25	8.00	5.00	5.00	17.18	16.80
Peerless Veg. and Grain Grower	Laurel	1.59	1.03	2.00	2.00	.85		8.25	8.00	5.12	5.00	17.18	16.80
Plant Bed Fertilizer	Baltimore	9.24	6.08	9.99	10.00	.45		5.45	5.00			43.30	43.00
Pulverized Sheep Manure	Baltimore	.82		2.25	1.75			*1.30	*.75	3.10	2.00	12.13	8.98
Pure Raw Bone	Baltimore			4.49	4.50			*20.75	*21.51			28.34	28.76
Pure Raw Bone	Baltimore			4.61	4.50			*20.05	*21.51			28.47	28.76
Sweepstakes Tobacco Fertilizer	Baltimore	2.36	1.52	2.77	3.00	1.30		8.10	8.00	2.88	3.00	18.44	19.20
Sweepstakes Tobacco Fertilizer	Baltimore	2.42	1.52	2.80	3.00	.95		8.35	8.00	3.08	3.00	18.81	19.20
Sweepstakes Tobacco Fertilizer	Baltimore	2.37	1.52	2.76	3.00	.75		8.05	8.00	3.28	3.00	18.60	19.20
Three Star Phos. and Potash	Baltimore					.80		10.00	10.00	4.12	4.00	9.42	9.20
Turner and Son Corn and Tomato Guano	Baltimore	.75	.43	1.01	1.00	.95		8.65	8.00	2.12	2.00	11.07	10.40
Canton Chemical Baker's Special Wheat, Corn and Grass Mixt.	Baltimore	.85	.43	1.19	1.00	1.45		8.55	9.00	2.12	2.00	11.81	11.00
Detrick's Gold Basis	Baltimore	5.70	4.13	6.76	7.00	.25		6.05	6.00	4.80	5.00	34.55	35.60
Detrick's Gold Basis	Baltimore	6.21	4.13	7.17	7.00	.40		6.00	6.00	4.78	5.00	36.16	35.60

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insolable		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
American Agricultural Chem. Co	**., New York, N.**	**Y.—**	**Cont.**										
Detrick's Gold Basis	Baltimore	5.29	4.13	6.71	7.00	.25		5.95	6.00	5.00	5.00	$34.45	$35.60
Detrick's Gold Basis	Baltimore	5.87	4.13	6.96	7.00	.40		6.00	6.00	5.00	5.00	35.50	35.60
Detrick's Gold Basis	Baltimore	6.08	4.13	6.93	7.00	.30		6.60	6.00	4.78	5.00	35.55	35.60
Detrick's Gold Basis	Baltimore	6.29	4.13	7.01	7.00	.30		6.00	6.00	5.08	5.00	35.75	35.60
Detrick's Gold Eagle	Baltimore	2.45	1.52	2.89	3.00	.70		6.30	6.00	6.12	6.00	20.35	20.40
Detrick's Kangaroo Kom. Komp.	Baltimore	1.57	1.03	2.00	2.00	.20		9.00	8.00	3.00	3.00	15.83	15.20
Detrick's Quick Step Fertilizer	Baltimore	2.46	1.59	2.90	3.00	.80		8.00	8.00	4.08	4.00	19.78	20.00
Detrick's Special Trucker	Baltimore	3.92	2.92	4.57	5.00	.70		7.50	7.00	5.16	5.00	27.02	28.20
Detrick's Special Trucker	Baltimore	4.37	2.92	5.02	5.00	.65		7.05	7.00	5.00	5.00	28.41	28.20
Detrick's Special Trucker	Baltimore	4.13	2.92	4.85	5.00	.70		7.10	7.00	5.72	5.00	28.35	28.20
Detrick's Special Trucker	Baltimore	4.00	2.92	4.67	5.00	.75		7.25	7.00	5.00	5.00	27.14	28.20
Detrick's Special Trucker	Baltimore	3.98	2.92	4.70	5.00	.60		7.40	7.00	5.52	5.00	27.75	28.20
Detrick's Special Trucker	Baltimore	4.14	2.92	4.73	5.00	.70		7.60	7.00	5.77	5.00	28.21	28.20
Lazaretto Complete Compound	Baltimore	.84	.43	1.11	1.00	.15		8.65	8.00	4.00	4.00	12.85	12.00
Lazaretto Farmers Choice Brand	Baltimore	.72	.43	.99	1.00	.90		8.00	8.00	2.04	2.00	10.53	10.40
Lazaretto Red Dog Guano	Baltimore	1.52	1.03	2.00	2.00	1.10		8.30	8.00	4.12	4.00	16.45	16.00
Lazaretto Red Dog Guano	Baltimore	1.62	1.03	2.03	2.00	.95		8.65	8.00	4.08	4.00	16.71	16.00
Lazaretto Red Dog Guano	Baltimore	1.49	1.03	1.90	2.00	1.10		8.00	8.00	4.04	4.00	15.80	16.00
Lazaretto Red Dog Guano	Baltimore	1.57	1.03	2.00	2.00	.20		9.30	8.00	4.00	4.00	16.81	16.00
Listers Crop Grower	Baltimore	1.43	1.03	1.82	2.00	.60		9.40	8.00	4.08	4.00	16.27	16.00
Listers Harvest Queen Phosphate	Baltimore	.84	.43	1.08	1.00	1.20		8.80	9.00	3.04	3.00	12.21	11.80
Listers Special Veg. Manure	Baltimore	3.21	2.13	3.76	4.00	.65		7.85	8.00	4.36	4.00	23.34	24.00
Listers Stand. Pure Superphos. of Lime	Baltimore	2.49	1.52	3.00	3.00	.25		10.10	9.00	2.36	2.00	19.99	19.00
Patapsco Acid Phosphate H. G.	Baltimore					1.70		16.00	16.00			9.86	9.60
Patapsco Coon Brand Guano	Baltimore	.88	.42	1.19	1.00	.75		9.15	9.00	2.46	2.00	12.33	11.00
Patapsco Garden and Truck Fert.	Baltimore	2.80	2.13	3.47	4.00	.90		8.30	8.00	4.32	4.00	22.46	24.00
Patapsco Garden and Truck Fert.	Baltimore	2.82	2.13	3.33	4.00	.90		8.40	8.00	3.46	4.00	21.27	24.00

Patapsco Garden and Truck Fert.	Baltimore	2.82	2.13	3.33	4.00	.90		8.40	8.00	3.46	4.00	21.27	24.00
Patapsco Garden and Truck Fert.	Baltimore	3.31	2.13	3.86	4.00	.40		8.80	8.00	3.92	4.00	23.92	24.00
Slingluff's 10% Tobacco Plant Bed Fertilizer	Baltimore	9.37	6.08	10.00	10.00	.25		6.45	5.00	2.28	2.00	45.73	44.60
Slingluff's 10% Tobacco Plant Bed Fertilizer	Baltimore	9.48	6.08	10.16	10.00	.35		6.35	5.00	2.04	2.00	46.13	44.60
Slingluff's 10% Tobacco Plant Bed Fertilizer	Baltimore	9.48	6.08	9.99	10.00	.30		5.90	5.00	2.08	2.00	45.21	44.60
Slingluff's 10% Tobacco Plant Bed Fertilizer	Baltimore	9.51	6.08	10.00	10.00	.30		5.30	5.00	2.20	2.00	44.99	44.60
Wooldridge's Golden Crown Truck Phosphate	Baltimore	5.87	4.13	7.01	7.00	.90		6.10	6.00	5.04	5.00	35.87	35.60
Wooldridge's Golden Crown Truck Phosphate	Baltimore	5.75	4.13	6.89	7.00	.10		6.10	6.00	5.00	5.00	35.24	35.60
Wooldridge's Triumph Phosphate	Baltimore	1.71	1.03	2.00	2.00	1.50		8.00	8.00	3.04	3.00	15.46	15.20
Zell's Hustler Phosphate	Baltimore	.73	.43	.99	1.00	.80		9.20	9.00	3.16	3.00	12.13	11.80
Zell's Economizer Phosphate	Baltimore	.73	.43	.99	1.00	.35		9.00	8.00	2.68	2.00	11.55	10.40
American Chemical Specialties Co., Springfield, N. J.													
Springfield Rose Food	Baltimore	2.81		6.19	6.00	4.05		6.65	6.00	2.24	2.00	31.15	29.20
American Fertilizing Co., Balto., Md.													
Acid Phosphate	Baltimore					.35		19.95	20.00			12.02	12.00
Acid Phosphate H. G.	Baltimore					1.10		16.40	16.00			10.01	9.60
Champion Grain Grower	Baltimore	.79	.49	.99	1.00	.90		8.30	8.00	3.80	4.00	12.12	12.00
Champion Grain Grower	Baltimore	.76	.49	1.02	1.00	.70		8.70	8.00	4.04	4.00	12.64	12.00
Eagle Guano	Baltimore	3.79	2.02	4.06	4.00	.55		8.00	8.00	6.00	6.00	25.92	25.60
Eagle Guano	Baltimore	3.38	2.02	3.58	4.00	.75		8.70	8.00	6.12	6.00	24.55	25.60
Fish and Bone Compound	Baltimore	1.86	.80	2.08	2.00	.45		8.55	8.00	3.20	3.00	16.08	15.20
5-8-5 Fertilizer	Baltimore	4.58	2.98	4.87	5.00	1.33		7.02	8.00	5.00	5.00	27.89	28.80
5-8-5 Fertilizer	Baltimore	4.66	2.98	4.98	5.00	.58		8.02	8.00	5.04	5.00	28.85	28.80
Prize Guano	Baltimore	1.57	.78	1.77	2.00	.35		8.45	8.00	10.44	10.00	20.55	20.80
Prize Guano	Baltimore	1.82	.78	2.06	2.00	.05		8.70	8.00	10.68	10.00	22.01	20.80
7-6-5 Fertilizer	Baltimore	6.62	4.20	7.00	7.00	.85		7.25	6.00	4.72	5.00	36.26	35.60
7-6-5 Fertilizer	Baltimore	6.76	4.20	7.00	7.00	.60		5.95	6.00	5.32	5.00	35.92	35.60
7-6-5 Fertilizer	Baltimore	6.46	4.20	6.77	7.00	1.05		6.25	6.00	5.00	5.00	34.99	35.60
Armour Fertilizer Works, Balto., Md.													
Big Crop Acid Phosphate	Baltimore					.45		16.25	16.00			9.82	9.60
Big Crop Bone Meal	Baltimore			6.20	3.00			*20.55	*22.00			35.08	23.00

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Armour Fertilizer Works, Balto., Md.—Cont.													
Big Crop 4-8-4	Baltimore	2.85	2.00	3.60	4.00	1.00	-----	8.10	8.00	4.04	4.00	$22.64	$24.00
Big Crop 4-8-4	Baltimore	2.93	2.00	3.68	4.00	1.20	-----	7.70	8.00	4.00	4.00	22.72	24.00
Big Crop Muriate of Potash	Baltimore	-----	-----	-----	-----	-----	-----	-----	-----	53.60	48.00	-----	-----
Big Crop Nitrate of Soda	Baltimore	-----	-----	18.58	18.00	-----	-----	-----	-----	-----	-----	-----	-----
Big Crop Raw Bone Meal	Baltimore	-----	-----	4.72	4.50	-----	-----	*22.10	*21.50	-----	-----	29.93	28.75
Big Crop Raw Bone Meal	Baltimore	-----	-----	4.76	4.50	-----	-----	*22.70	*21.50	-----	-----	30.39	28.75
Big Crop 7-6-5	Baltimore	5.65	3.50	7.13	7.00	.80	-----	6.10	6.00	5.00	5.00	36.30	35.60
Big Crop 10-5-0	Faulkner	8.17	5.00	9.54	10.00	1.05	-----	5.35	5.00	-----	-----	41.53	43.00
Big Crop 10-5-2	Baltimore	8.84	5.00	10.12	10.00	.65	-----	5.15	5.00	2.12	2.00	45.37	44.60
Big Crop 2-8-5	Baltimore	1.15	1.00	1.92	2.00	.15	-----	8.15	8.00	5.00	5.00	16.59	16.80
Big Crop 2-8-5	Baltimore	1.19	1.00	2.01	2.00	.90	-----	8.10	8.00	5.69	5.00	17.59	16.80
Big Crop 2-8-10	Baltimore	1.22	1.00	2.00	2.00	.95	-----	7.65	8.00	10.08	10.00	20.79	20.80
Big Crop 2-12-2	Oakland	1.32	1.00	1.92	2.00	.75	-----	11.05	12.00	2.00	2.00	16.02	16.80
Big Crop Tomato Grower	Baltimore	2.15	1.50	2.83	3.00	.55	-----	10.25	10.00	6.00	6.00	22.35	22.80
Farmers' Choice	Baltimore	.51	.50	1.02	1.00	.80	-----	8.50	9.00	3.12	3.00	11.80	11.80
Farmers' Choice	Baltimore	.48	.50	.99	1.00	.90	-----	9.20	9.00	3.08	3.00	12.08	11.80
Fish and Potash Mixture	Baltimore	.84	1.00	1.81	2.00	1.20	-----	8.40	8.00	3.00	3.00	14.86	15.20
Fish and Potash Mixture	Baltimore	1.15	1.00	2.00	2.00	.95	-----	8.05	8.00	3.04	3.00	15.40	15.20
Kainit	Baltimore	-----	-----	-----	-----	-----	-----	-----	-----	12.44	12.00	-----	-----
Lime Phosphate	Baltimore	-----	-----	-----	-----	1.10	-----	13.10	13.00	-----	-----	8.03	7.80
Royal Ammoniated	Baltimore	.40	.50	1.01	1.00	1.00	-----	7.85	8.00	4.24	4.00	12.29	12.00
Sulphate of Potash	Baltimore	-----	-----	-----	-----	-----	-----	-----	-----	52.20	50.00	-----	-----
Associated Chemical Co., Balto., Md.													
Muriate of Potash	Baltimore	-----	-----	-----	-----	-----	-----	-----	-----	53.67	50.00	-----	-----

Muriate of Potash	Baltimore												
Baltimore Fertilizer Co., Balto., Md.													
Honest Ammoniated Bone	Baltimore	1.52	1.00	2.00	2.00	.75	1.00	9.05	8.00	2.36	2.00	15.43	14.55
Honest Ammoniated Bone	Baltimore	1.50	1.00	2.01	2.00	.55	1.00	8.65	8.00	2.24	2.00	15.10	14.55
Honest Buyers Mixture	Baltimore	2.30	1.48	3.05	3.00	.90	1.00	9.00	8.00	5.00	5.00	21.74	20.95
Honest 1-9-3	Hampstead	.73	.49	1.14	1.00	.80	1.00	9.40	9.00	3.28	3.00	12.94	11.95
Honest 1-9-3	Baltimore	.53	.49	.99	1.00	.85	1.00	9.15	9.00	3.00	3.00	11.98	11.95
Honest 3-8-3	Baltimore	2.33	.60	2.72	3.00	.83		8.37	8.00	3.16	3.00	18.55	19.20
Honest 10% Tobacco Bed Mix.	Wicomico	6.02	4.98	9.89	10.00	.20	1.00	5.65	4.00			42.98	42.55
Honest 10% Tobacco Bed Mix.	Baltimore	9.02	4.98	10.56	10.00	.15	1.00	4.15	4.00			44.75	42.55
Honest Trucker 5-6-5	Baltimore	3.51	2.49	4.18	5.00	1.25		5.95	6.00	4.80	5.00	24.32	27.60
Old Honesty ½-8-2	Baltimore	1.23	.24	1.74	.50	.70	1.00	8.10	8.00	2.08	2.00	13.59	8.55
Baltimore Pulverizing Co., Balto., Md.													
Acme Early Truck	Baltimore	4.11	3.50	4.59	5.00	.85		9.65	7.00	3.00	3.00	26.68	26.60
Corn and Grain Grower	Baltimore					1.65		10.15	12.00	4.95	4.00	10.30	10.40
Corn and Grain Grower	Baltimore					2.28		11.07	12.00	3.66	4.00	9.91	10.40
Harvest King	Baltimore	1.21		1.77	1.00	2.40		10.50	10.00	3.26	2.00	16.35	11.60
Ideal Fertilizer	Baltimore	1.69		2.25	2.00	1.35		8.15	8.00	5.26	5.00	18.30	16.80
Ideal Fertilizer	Baltimore	1.35		2.08	2.00	1.20		9.40	8.00	6.04	5.00	18.97	16.80
Royal Compound	Baltimore	1.38		2.13	2.00	1.15		9.35	8.00	2.36	2.00	16.19	14.40
Spring and Fall Mixture	Baltimore					2.40		10.45	8.00	3.62	5.00	9.53	8.80
Strawberry Compound	Baltimore	3.30		4.03	4.00	1.80		8.35	7.00	2.04	1.00	23.03	21.00
Strawberry Compound	Baltimore	3.49		4.34	4.00	2.10		7.70	7.00	1.64	1.00	23.61	21.00
Truckers Choice	Baltimore	2.26		3.16	3.00	1.75		8.75	8.00	2.12	2.00	19.85	18.40
Willoughby's Mixture	Baltimore	3.91	3.00	4.18	4.00	1.93		7.07	8.00	6.74	7.00	26.64	26.40
Willoughby's Mixture	Baltimore	3.74	3.00	4.18	4.00	2.03		7.42	8.00	6.14	7.00	26.38	26.40
Baugh and Sons Co., Balto., Md.													
Acid Phosphate	Baltimore					1.00		16.50	16.00			10.05	9.60
Animal Base and Potash Comp.	Baltimore	1.54	.91	1.88	2.00	.75		9.95	9.00	2.28	2.00	15.42	15.00
Animal Base and Potash Comp.	Baltimore	1.67	.91	2.05	2.00	.15		9.35	9.00	2.36	2.00	15.72	15.00
Boiled Bone	Baltimore			5.14	4.00			*18.50	*18.30			29.81	25.15
Commercial Superphosphate	Baltimore	1.73	.90	2.00	2.00	.90		8.60	8.00	10.00	10.00	21.30	20.80
Complete Animal Base Fertilizer	Baltimore	1.71	.91	2.05	2.00	.95		8.05	8.00	5.42	5.00	17.51	16.80
Complete Animal Base Fertilizer	Baltimore	1.69	.91	2.03	2.00	.85		8.05	8.00	5.08	5.00	17.14	16.80
Corn and Oats Fertilizer	Baltimore	1.88	.90	2.20	2.00	1.20		12.10	12.00	2.36	2.00	18.13	16.80
Corn and Oats Fertilizer	Baltimore	1.67	.90	2.01	2.00	.70		12.00	12.00	4.62	2.00	19.05	16.80
Excelsior Guano	Baltimore	.82	.60	1.16	1.00	.50		10.30	10.00	4.36	4.00	14.39	13.20
Excelsior Guano	Baltimore	.87	.60	1.18	1.00	.70		10.20	10.00	4.04	4.00	14.18	13.20
Fish, Bone and Potash	Baltimore	3.42	2.43	3.81	4.00	.65		8.35	8.00	4.04	4.00	23.58	24.00

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Baugh and Sons Co., Balto., Md.	**—Cont.**												
Fish, Bone and Potash	Baltimore	**3.62**	2.43	**4.08**	4.00	**.20**		**9.00**	8.00	**4.36**	4.00	$25.24	$24.00
Fish, Bone and Potash	Baltimore	**3.41**	2.43	**3.82**	4.00	**.35**		**8.25**	8.00	**4.36**	4.00	**23.77**	24.00
Fish, Bone and Potash	Baltimore	**3.47**	2.43	**3.85**	4.00	**.40**		**8.00**	8.00	**4.36**	4.00	**23.75**	24.00
Fish Mixture	Baltimore	**1.69**	.91	**2.00**	2.00	**.60**		**9.00**	9.00	**2.08**	2.00	**15.15**	15.00
Genuine Imported Kainit	Baltimore									**12.84**	12.40		
Genuine Imported Kainit	Baltimore									**12.41**	12.40		
Grand Rapid Guano	Newport	**2.54**	1.83	**2.92**	3.00	**.10**		**10.10**	10.00	**3.20**	3.00	**20.32**	20.40
Grand Rapid Guano	Baltimore	**2.60**	1.83	**2.99**	3.00	**.65**		**10.45**	10.00	**3.16**	3.00	**20.86**	20.40
Grand Rapid Guano	Baltimore	**2.61**	1.83	**2.99**	3.00	**.50**		**10.00**	10.00	**3.32**	3.00	**20.70**	20.40
Muriate of Potash	Baltimore									**56.20**	48.00		
New Process 10% Guano	Baltimore	**9.10**	7.29	**9.41**	10.00	**.45**		**6.05**	5.00			**41.34**	43.00
New Process 10% Guano	Baltimore	**9.66**	7.29	**10.00**	10.00	**.30**		**5.10**	5.00			**43.11**	43.00
New Process 10% Guano	Baltimore	**9.21**	7.29	**9.55**	10.00	**.30**		**5.00**	5.00			**41.25**	43.00
New Process 10% Guano	Baltimore	**9.31**	7.29	**9.65**	10.00	**.35**		**5.25**	5.00			**41.80**	43.00
New Process 10% Guano	Baltimore	**9.73**	7.29	**10.07**	10.00	**.10**		**5.40**	5.00			**43.54**	43.00
New Process 10% Guano	Baltimore	**9.50**	7.29	**9.81**	10.00	**.15**		**5.25**	5.00			**42.41**	43.00
New Process 10% Guano	Baltimore	**9.73**	7.29	**10.04**	10.00	**.50**		**5.00**	5.00			**43.24**	43.00
New Process 10% Guano	Baltimore	**8.93**	7.29	**9.27**	10.00	**.20**		**5.10**	5.00			**40.17**	43.00
Nitrate of Soda	Camp Springs			**18.54**	18.50								
Peruvian Guano Substitute	Baltimore	**4.32**	3.65	**4.66**	5.00	**.60**		**8.20**	8.00	**5.24**	5.00	**27.84**	28.80
Peruvian Guano Substitute	Baltimore	**4.33**	3.65	**4.77**	5.00	**.65**		**8.25**	8.00	**5.36**	5.00	**28.42**	28.80
Peruvian Guano Substitute	Baltimore	**4.27**	3.65	**4.71**	5.00	**.40**		**9.05**	8.00	**5.04**	5.00	**28.36**	28.80
Peruvian Guano Substitute	Camp Springs	4.42	3.65	**4.91**	5.00	**.65**		**8.55**	8.00	**5.04**	5.00	**28.90**	28.80
Phosphate and Potash Mixture	Baltimore					**.45**		**12.75**	12.00	**5.20**	5.00	**11.88**	11.20
Potato and Truck Special	Leonardtown	**3.26**	2.43	**3.75**	4.00	**1.00**		**8.50**	8.00	**6.00**	6.00	**25.05**	25.60
Potato and Truck Special	Baltimore	**3.41**	2.43	**3.99**	4.00	**.70**		**8.30**	8.00	**6.12**	6.00	**25.95**	25.60
Potato and Truck Special	Baltimore	**3.43**	2.43	**3.81**	4.00	**.55**		**8.25**	8.00	**6.22**	6.00	**25.25**	25.60
Potato and Truck Special	Baltimore	**3.39**	2.43	**3.85**	4.00	**.10**		**8.90**	8.00	**6.00**	6.00	**25.56**	25.60

Potato and Truck Special	Baltimore	**3.39**	2.43	**3.85**	4.00	**.10**		**8.90**	8.00	**6.00**	6.00	**25.56**	25.60
Potato and Truck Special	Baltimore	**3.43**	2.43	**3.98**	4.00	**.20**		**8.80**	8.00	**6.28**	6.00	**26.25**	25.60
Potato and Truck Special	Baltimore	**3.42**	2.43	**3.90**	4.00	**.60**		**8.90**	8.00	**6.36**	6.00	**26.12**	25.60
Potato and Truck Special	Baltimore	**3.59**	2.43	**4.10**	4.00	**.80**		**8.80**	8.00	**6.24**	6.00	**26.79**	25.60
Potato and Truck Special	Camp Springs	**3.41**	2.43	**3.99**	4.00	**.25**		**9.25**	8.00	**6.36**	6.00	**26.64**	25.60
Potato and Truck Special	Baltimore	**3.25**	2.43	**3.80**	4.00	**.45**		**8.05**	8.00	**6.36**	6.00	**25.19**	25.60
Pure Bone and Muriate of Potash Mixture	Baltimore			**3.77**	2.50			***16.45**	*20.00	**7.84**	5.00	**29.58**	24.00
Raw Bone Meal	Baltimore			**4.57**	4.50			***20.95**	*21.50			**28.76**	28.75
Raw Bone Meal	Baltimore			**4.49**	4.50			***24.20**	*21.50			**30.06**	28.75
Raw Bone Meal	Baltimore			**4.54**	4.50			***19.90**	*21.50			**28.11**	28.75
7% Potato Guano	Baltimore	**5.93**	4.86	**6.39**	7.00	**.50**		**6.60**	6.00	**5.04**	5.00	**33.63**	35.60
7% Potato Guano	Camp Springs	**5.61**	4.86	**6.04**	7.00	**.55**		**7.15**	6.00	**5.12**	5.00	**32.63**	35.60
7% Potato Guano	Baltimore	**6.35**	4.86	**6.67**	7.00	**.60**		**6.80**	6.00	**5.12**	5.00	**34.95**	35.60
7% Potato Guano	Baltimore	**6.49**	4.86	**7.00**	7.00	**.55**		**6.15**	6.00	**5.04**	5.00	**35.80**	35.60
7% Potato Guano	Baltimore	**6.62**	4.86	**7.13**	7.00	**.10**		**6.80**	6.00	**5.12**	5.00	**36.72**	35.60
Special Potato Manure	Baltimore	**1.62**	.90	**2.00**	2.00	**.70**		**8.40**	8.00	**5.00**	5.00	**17.15**	16.80
Special Tobacco Manure	Baltimore	**3.40**	2.43	**3.78**	4.00	**1.05**		**8.65**	8.00	**4.00**	4.00	**23.67**	24.00
Special Tobacco Manure	Baltimore	**3.44**	2.43	**3.78**	4.00	**.75**		**8.45**	8.00	**4.15**	4.00	**23.63**	24.00
Special Tobacco Manure	Baltimore	**3.31**	2.43	**3.72**	4.00	**.75**		**8.65**	8.00	**4.00**	4.00	**23.38**	24.00
Special Tobacco Manure	Baltimore	**3.56**	2.43	**3.99**	4.00	**.80**		**8.60**	8.00	**4.00**	4.00	**24.44**	24.00
Tomato Compound	Baltimore	**1.60**	.90	**2.01**	2.00	**.65**		**8.95**	9.00	**2.36**	2.00	**15.40**	15.00
Yucatan Tobacco Guano	Baltimore	**3.48**	1.83	**3.92**	3.00	**1.05**		**8.25**	8.00	**4.01**	3.00	**24.00**	19.20
Yucatan Tobalco Guano	Baltimore	**2.50**	1.83	**2.77**	3.00	**.60**		**7.80**	8.00	**2.82**	3.00	**18.11**	19.20
Yucatan Tobacco Guano	Baltimore	**3.40**	1.83	**3.84**	3.00	**.10**		**9.30**	8.00	**3.94**	3.00	**24.11**	19.20
J. Bolgiano Seed Co., Balto., Md.													
Square Deal Blood Meal	Baltimore			**15.35**	16.00			***2.20**	*2.00			**62.50**	65.00
Square Deal Bone Meal	Baltimore			**2.32**	3.00			***28.10**	*22.88			**23.33**	23.44
Square Deal Lawn Dressing	Baltimore	**.33**		**2.60**	2.73	**.20**		**1.70**	1.00	**2.12**	2.00	**13.15**	13.12
Bon Arbor Chemical Co., Patterson, N. J.													
Bon Arbor Soluble Plant Life	Baltimore	**19.66**		**19.76**	19.00	**.00**		**7.50**	4.00	**7.48**	4.00	**89.52**	81.60
Braun Fertilizer Co., Balto., Md.													
General Crop Grower	Baltimore	**3.47**	1.50	**3.81**	4.00	**.70**		**8.30**	8.00	**4.04**	4.00	**23.56**	24.00
Potato Grower	Baltimore	**1.71**		**2.00**	2.00	**.75**		**8.05**	8.00	**5.16**	5.00	**17.07**	16.80

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Herbert Bryant's Son, Alexandria, Va.													
Acid Phosphate H. G.	Berwyn	-----	-----	-----	-----	.15	-----	16.15	16.00	-----	-----	$9.71	$9.60
Belle Haven Ammoniated Bone	Laurel	1.38	.60	2.15	2.00	1.30	-----	8.00	8.00	5.36	5.00	17.89	16.80
Corn King	Berwyn	.69	.31	1.37	1.25	1.15	-----	10.05	10.00	2.82	2.00	13.94	12.60
Excelsior Ammoniated Bone	Laurel	3.31	2.43	4.74	5.00	2.30	-----	8.10	8.00	5.24	5.00	28.36	28.80
Genuine Fish, Bone and Potash	Laurel	1.45	.31	2.18	2.00	1.00	-----	9.10	9.00	2.98	2.00	16.71	15.00
Genuine Fish, Bone and Potash	Berwyn	1.44	.31	2.00	2.00	1.05	-----	9.35	9.00	2.36	2.00	15.66	15.00
H. G. Truck and Potato	Berwyn	1.68	.60	2.70	3.00	1.45	-----	8.75	8.00	5.24	5.00	20.46	20.80
Pure Animal Bone Meal	Berwyn	-----	-----	4.56	4.50	-----	-----	*20.50	*20.60	-----	-----	28.49	28.30
Central Chemical Co., Hagerstown, Md.													
Gro-All Acid Phosphate	Boonsboro	-----	-----	-----	-----	1.60	-----	16.10	16.00	-----	-----	9.90	9.60
Gro-All Crown Jewel	Boonsboro	.71	.60	1.27	1.00	.55	-----	9.75	9.00	3.28	3.00	13.63	11.80
Gro-All Crown Jewel	Frederick	.41	.60	1.08	1.00	1.00	-----	8.25	9.00	3.48	3.00	12.20	11.80
Gro-All Excelsior	Frederick	1.40	.60	1.83	2.00	1.00	-----	8.10	8.00	5.00	5.00	16.33	16.80
Gro-All Excelsior	Boonsboro	1.55	.60	2.01	2.00	1.55	-----	8.05	8.00	5.08	5.00	17.16	16.80
Gro-All Fish and Potash Com.	Baltimore	.85	.60	1.26	1.25	.78	-----	8.82	9.00	4.50	2.00	14.05	12.00
Gro-All Grain and Grass Grower	Frederick	1.17	.60	1.63	2.00	.85	-----	12.05	12.00	2.28	2.00	15.70	16.80
Gro-All Potash Special	Frederick	-----	-----	-----	-----	.95	-----	11.95	12.00	4.66	5.00	11.04	11.20
Gro-All Potato Special	Frederick	2.93	-----	3.58	4.00	1.15	-----	8.45	8.00	6.68	7.00	24.90	26.40
Gro-All Potato Special	Boonsboro	2.73	-----	3.41	4.00	.90	-----	8.60	8.00	7.68	7.00	25.08	26.40
Gro-All Valley Mixture	Baltimore	1.41	.60	1.84	2.00	.95	-----	8.35	8.00	2.20	2.00	14.27	14.40
L. E. P. Dennis and Son Co., Crisfield, Md.													
7% Potato Grower	Crisfield	5.55	2.34	6.88	7.00	3.00	-----	6.70	6.00	5.80	5.00	36.63	35.60
Devilbiss Bros., New Windsor, Md.													
Acid Phosphate	New Windsor	-----	-----	-----	-----	.50	-----	18.15	16.00	-----	-----	10.97	9.60

Butcher House Phosphate	New Windsor	.24	.30	.99	1.00	.90		11.10	10.00	6.03	5.00	15.58	14.00
Wheat Grower	New Windsor	.24	.30	1.01	1.00	.90		10.90	9.00	3.69	3.00	13.67	11.80
Dorchester Fertilizer and Lime Co., Cambridge, Md.													
Acid Phosphate H. G. 16%	Cambridge					.70		17.80	16.00			10.79	9.60
Acid Phosphate H. G. 16%	Cambridge					.55		16.35	16.00			9.89	9.60
Farmers' Delight 7-6-5	Baltimore	4.91	3.40	6.00	7.00	2.40		6.30	6.00	5.77	5.00	32.76	35.60
Farmers' Delight 7-6-5	Cambridge	4.38	3.40	5.51	7.00	.90		8.55	6.00	4.14	5.00	30.62	35.60
Fish Mixture 2-8-2	Cambridge	.47		1.73	2.00	1.05		8.85	8.00	2.64	2.00	14.50	14.40
Gen. Alsatian Kainit 0-0-13	Cambridge									14.92	13.00		
Our Special 2-8-5	Cambridge	1.72		2.03	2.00	.70		8.80	8.00	5.16	5.00	17.64	16.80
Truck Grower 5-7-5	Cambridge	3.30		3.95	5.00	1.75		8.25	7.00	5.12	5.00	25.11	28.20
Dumont Fertilizer Co., Inc., Philadelphia, Pa.													
Acid Phosphate	Baltimore					.20		18.65	16.00			11.22	9.60
Five Eight and Five	Baltimore	3.91	3.04	4.47	5.00	.60		9.40	8.00	5.72	5.00	28.19	28.80
Four Eight and Five	Baltimore	3.26	2.43	3.64	4.00	.65		8.75	8.00	5.36	5.00	24.20	24.80
Four Eight and Seven	Baltimore	3.00	2.43	3.43	4.00	1.50		8.40	8.00	8.08	7.00	25.45	26.40
Kainit	Baltimore									12.92	12.00		
Pure Bone Meal	Baltimore			2.27	3.00			*25.45	*22.90			21.81	23.45
Seven Six and Five	Baltimore	6.70	4.25	7.18	7.00	1.65		6.95	6.00	5.94	5.00	37.89	35.60
Seven Six and Five	Baltimore	7.24	4.25	7.70	7.00	1.90		7.00	6.00	4.66	5.00	39.02	35.60
Two Eight and Ten	Baltimore	1.41	1.21	1.73	2.00	.20		9.00	8.00	10.48	10.00	20.73	20.80
Two Eight and Five	Baltimore	1.59	1.21	1.93	2.00	.85		8.75	8.00	5.60	5.00	17.58	16.80
Two Eight and Two	Baltimore	1.71		1.88	2.00	1.85		8.75	8.00	3.00	2.00	15.45	14.40
Earp-Thomas Cultures Corp., Long Island City, N. Y.													
Stim-U-Plant	Baltimore	12.70		12.97	13.35	.05	.36	13.85	12.00	15.92	15.00	72.94	72.65
Edelen Bros., Baltimore, Md.													
H. G. Tobacco Fertilizer	Baltimore	1.86	1.50	3.00	3.00	1.00		8.20	8.00	4.20	4.00	20.43	20.00
H. G. Tobacco Fertilizer	Baltimore	2.06	1.50	3.07	3.00	1.10		8.15	8.00	4.00	4.00	20.54	20.00
Special Tobacco Guano	Baltimore	1.19	1.00	1.91	2.00	1.30		8.60	8.00	3.32	3.00	15.66	15.20
Special Tobacco Guano	Baltimore	1.18	1.00	2.00	2.00	1.83		7.67	8.00	3.91	3.00	16.00	15.20
10% Tobacco Bed Special with 2% Potash	Baltimore	7.70	5.00	9.85	10.00	2.30		4.20	4.00	2.00	2.00	43.87	44.00
10% Tobacco Bed Special with 2% Potash	Baltimore	7.32	5.00	9.54	10.00	.55		6.10	4.00	2.32	2.00	43.76	44.00
10% Tobacco Bed Special with 2% Potash	Baltimore	7.34	5.00	9.83	10.00	.05		6.05	4.00	2.00	2.00	44.56	44.00
Wheat and Grain Mixture	Baltimore	.41	.50	1.06	1.00	1.35		8.95	9.00	3.36	3.00	12.50	11.80

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Farmers Fertilizer and Feed Co., Westminster, Md.													
Kainit 0-0-12.40	Westminster									12.48	12.40		
XX Phosphate 1-9-3	Westminster	.35	.60	.95	1.00	.90		9.70	9.00	4.24	3.00	$13.15	$11.80
Farmers and Planters Co., Salisbury, Md.													
Early Truck	Salisbury	2.62	3.34	3.23	4.00	1.40		8.60	8.00	4.12	4.00	21.59	24.00
Early Vegetable	Salisbury	4.10	3.65	4.70	5.00	.75		8.05	7.00	5.04	5.00	27.77	28.20
Fish Mixture	Salisbury	1.18		1.73	2.00	1.65		8.75	8.00	4.04	2.00	15.65	14.40
General Crop Grower	Salisbury	.48	.97	1.01	1.00	1.50		10.00	10.00	3.46	2.00	13.04	11.60
Special Fish Mixture	Salisbury	1.16	1.52	1.67	2.00	1.45		8.05	8.00	5.00	5.00	15.73	16.80
Sweet Potato Special	Salisbury	2.13	2.12	2.71	3.00	2.45		8.05	8.00	7.00	7.00	21.64	22.40
Truckers Mixture	Salisbury	2.22	2.12	2.73	3.00	1.50		8.90	8.00	4.36	4.00	19.98	20.00
Frederick Mehring Fertilizer Works, Keymar, Md.													
Big Four Fish Grade	Westminster	.50	.60	1.06	1.00	.45		9.85	9.00	4.18	3.00	13.56	11.80
Mammouth Truck Grower	Westminster	1.16	1.30	1.84	2.00	.65		9.25	8.00	5.62	5.00	17.51	16.80
Griffith and Boyd Co., Balto., Md.													
Acid Phosphate H. G.	Baltimore					.60		16.40	16.00			9.93	9.60
Acid Phosphate H. G.	Laurel					.50		16.30	16.00			9.86	9.60
Accomac Trucker	Baltimore	3.52	1.83	4.58	5.00	.60		6.00	6.00	4.40	5.00	25.53	27.60
Accomac Trucker	Baltimore	3.37	1.83	4.45	5.00	.50		5.40	6.00	6.22	5.00	26.10	27.60
Accomac Trucker	Baltimore	3.44	1.83	4.46	5.00	.85		6.30	6.00	4.72	5.00	25.53	27.60
Farmers Queen	Laurel	.48	.24	1.08	1.00	.75		8.70	9.00	2.60	3.00	11.73	11.80
Gilt Edge Crop Guano	Baltimore	1.11	.48	1.60	2.00	.95		7.95	8.00	10.00	10.00	19.31	20.80
H. G. Fish and Potash Mixture	Baltimore	1.16	.40	1.76	2.00	.45		11.25	12.00	7.68	8.00	20.00	21.60
Kainit	Baltimore									13.32	12.40		
Monarch Brand	Baltimore					.85		7.95	8.00	6.72	8.00	10.28	11.20
Muriate of Potash	Baltimore									49.80	50.00		
Nitrate of Soda	Baltimore			18.24	18.00								

Muriate of Potash	Baltimore									49.80	50.00		
Nitrate of Soda	Baltimore			18.24	18.00								
Peerless Fertilizer	Baltimore			.70	.50	1.60		8.10	8.00	2.12	2.00	10.60	8.40
Peerless Fertilizer	Baltimore			.55	.50	1.58		7.02	8.00	2.00	2.00	8.25	8.40
Special Guano	Baltimore	1.06	.48	1.98	2.00	1.25		8.05	8.00	4.15	5.00	16.26	16.80
Special Guano	Laurel	1.08	.48	2.00	2.00	1.33		7.37	8.00	5.00	5.00	16.62	16.80
Special Potato Guano	Baltimore	3.02	.97	4.04	4.00	.80		8.00	8.00	6.44	6.00	26.23	25.60
Spring Crop Grower	Baltimore	.95	.49	1.67	2.00	.75		6.55	6.50	4.48	4.50	14.30	15.50
Stable Manure Substitute	Baltimore	1.91	1.00	3.50	3.50	2.05		6.25	5.25	2.26	4.00	19.87	20.35
Griffith and Turner Co., Balto., Md.													
Ammoniated Butchers Bone Phos.	Baltimore	.53	.31	1.11	1.25	1.00		8.90	9.00	2.02	1.50	11.55	11.60
Animal Bone Phosphate	Baltimore	1.64		2.49	2.50	.70		9.45	10.00	2.10	1.50	17.42	17.20
Soft Ground Bone Meal	Baltimore			3.63	3.00			*11.00	*11.00			20.02	17.50
Special Potato Guano	Baltimore	.53	.24	.99	1.00	1.00		8.00	8.00	3.70	4.00	11.87	12.00
Special Potato Guano	Baltimore	.63	.24	1.14	1.00	.95		8.35	8.00	3.42	4.00	12.45	12.00
Hampstead Fertilizer Co., Hampstead, Md.													
1-8-4	Hampstead	.65	.60	1.13	1.00	.55		8.05	8.00	4.42	4.00	12.97	12.00
1-8-2	Hampstead	.86	.49	1.46	1.00	.75		8.25	8.00	2.36	2.00	12.79	10.40
2-8-4	Hampstead	.98	.60	1.63	2.00	1.45		8.05	8.00	4.34	4.00	15.04	16.00
Horsey, Roe and Co., Greensboro, Md.													
Acid Phosphate 16%	Greensboro					.50		16.60	16.00			10.04	9.60
Corn Grower 0-8-7	Greensboro					.65		8.35	8.00	7.40	7.00	11.03	10.40
Crop Grower 1-8-4	Greensboro	.43	.50	1.08	1.00	1.70		8.40	8.00	4.68	4.00	13.36	12.00
3-8-3	Greensboro	1.60	2.00	2.83	3.00	2.15		9.35	8.00	3.36	3.00	19.94	19.20
Hubbard Fertilizer Co., Balto., Md.													
Acid Phosphate	Baltimore					.50		16.30	16.00			9.86	9.60
Alkaline	Baltimore					1.28		11.57	12.00	5.36	5.00	11.42	11.20
Bone Meal	Baltimore			2.59	3.00			*25.35	*22.88			23.04	23.44
Complete Fertilizer	Baltimore	1.61	1.00	2.05	2.00	1.55		12.05	12.00	2.12	2.00	17.36	16.80
Farmers IXL	Baltimore	1.62	1.00	2.13	2.00	1.20		8.00	8.00	3.06	2.00	15.95	14.40
Fish Mixture	Baltimore	.58		1.01	1.00	.85		7.95	8.00	1.20	1.00	9.90	9.60
5-8-7 Fertilizer	Leonardtown	4.51	3.00	5.00	5.00	1.40		7.50	8.00	7.36	7.00	30.60	30.40
5-8-7 Fertilizer	Mutual	4.31	3.00	4.82	5.00	1.08		7.77	8.00	7.20	7.00	29.86	30.40
5-8-7 Fertilizer	Baltimore	4.32	3.00	4.83	5.00	1.20		8.00	8.00	6.54	7.00	29.53	30.40
5-8-5 Fertilizer	Baltimore	4.58	3.00	5.09	5.00	1.13		7.57	8.00	5.73	5.00	29.65	28.80
4-8-6 Fertilizer	Baltimore	2.38	3.00	2.82	4.00	1.00		8.10	8.00	6.00	6.00	21.09	25.60

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Hubbard Fertilizer Co., Balto., Md.—Cont.													
4-8-6 Fertilizer	Baltimore	**3.02**	3.00	**3.53**	4.00	**.85**		**7.95**	8.00	**6.40**	6.00	**$24.14**	$25.60
4-8-6 Fertilizer	Leonardtown	**3.48**	3.00	**4.03**	4.00	**1.15**		**7.90**	8.00	**6.40**	6.00	**26.15**	25.60
1-8-4 Fertilizer	Baltimore	**.70**		**1.16**	1.00	**.70**		**8.00**	8.00	**4.08**	4.00	**12.81**	12.00
1-8-4 Fertilizer	Baltimore	**.55**		**1.04**	1.00	**.30**		**8.80**	8.00	**4.10**	4.00	**12.77**	12.00
Jersey Trucker	Baltimore	**1.57**	1.00	**2.01**	2.00	**.75**		**8.05**	8.00	**10.90**	10.00	**21.70**	20.80
Jersey Trucker	Baltimore	**1.66**	1.00	**2.10**	2.00	**1.10**		**8.20**	8.00	**11.56**	10.00	**22.74**	20.80
Kainit	Baltimore									**13.01**	12.40		
Money Maker Fertilizer	Baltimore	**1.53**	1.00	**1.96**	2.00	**.85**		**8.35**	8.00	**5.28**	5.00	**17.20**	16.80
Money Maker Fertilizer	Baltimore	**1.44**	1.00	**1.85**	2.00	**1.05**		**8.05**	8.00	**5.04**	5.00	**16.42**	16.80
Money Maker Fertilizer	Baltimore	**1.62**	1.00	**2.05**	2.00	**.85**		**8.25**	8.00	**5.00**	5.00	**17.28**	16.80
Nitrate of Soda	Baltimore			**18.58**	18.50								
Noxall Guano	Leonardtown	**3.27**	3.00	**3.78**	4.00	**1.13**		**7.42**	8.00	**4.74**	4.00	**23.53**	24.00
Noxall Guano	Baltimore	**3.52**	3.00	**4.10**	4.00	**1.58**		**7.42**	8.00	**4.32**	4.00	**24.55**	24.00
Noxall Guano	Baltimore	**3.69**	3.00	**4.15**	4.00	**1.03**		**7.87**	8.00	**4.20**	4.00	**24.83**	24.00
Pure Ground Raw Bone	Baltimore			**4.50**	4.50			***21.90**	*21.50			**28.95**	28.75
Royal Seal 5%	Baltimore	**3.29**	3.00	**3.87**	5.00	**1.10**		**6.60**	6.00	**4.80**	5.00	**23.45**	27.60
Royal Seal 5%	Baltimore	**3.63**	3.00	**4.19**	5.00	**1.00**		**6.10**	6.00	**5.36**	5.00	**24.86**	27.60
Royal Seal 7%	Baltimore	**4.46**	5.00	**4.97**	7.00	**1.10**		**7.60**	6.00	**7.75**	5.00	**30.81**	35.60
Royal Seal 7%	Baltimore	**6.37**	5.00	**7.00**	7.00	**.40**		**7.00**	6.00	**5.00**	5.00	**36.26**	35.60
Royal Seal 7%	Baltimore	**6.03**	5.00	**6.70**	7.00	**1.55**		**6.05**	6.00	**5.08**	5.00	**34.72**	35.60
Sulphate of Ammonia	Baltimore			**24.43**	25.00								
Sulphate of Potash	Baltimore									**48.70**	48.00		
3-12-3 Fertilizer	Baltimore	**1.77**	2.00	**2.25**	3.00	**1.73**		**11.42**	12.00	**2.46**	3.00	**18.08**	21.60
2-8-7 Fertilizer	Baltimore	**1.50**	1.00	**2.08**	2.00	**1.65**		**8.00**	8.00	**6.18**	7.00	**18.31**	18.40
2-12-4 Fertilizer	Leonardtown	**1.77**	1.00	**2.28**	2.00	**1.73**		**10.97**	12.00	**4.00**	4.00	**19.16**	18.40
Yellow Wrapper	Baltimore	**2.42**	2.00	**3.00**	3.00	**1.73**		**7.72**	8.00	**3.24**	3.00	**19.48**	19.20
Yellow Wrapper	Baltimore	**2.04**	2.00	**2.71**	3.00	**1.78**		**7.12**	8.00	**3.08**	3.00	**17.84**	19.20

Yellow Wrapper	Baltimore	2.04	2.00	2.71	3.00	1.78		7.12	8.00	3.08	3.00	17.84	19.20

Independent Manufacturing Co., Phila., Pa.															
Special Florists Steam Bone Meal	Baltimore			2.69	3.00			*26.00	*22.88			23.76	23.44
Special Florists Steam Bone Meal	Baltimore			2.38	3.00			*27.00	*22.88			23.02	23.44
Maryland Milling and Supply Co., Sykesville, Md.															
Acid Phosphate H. G.	Sykesville					.30		17.10	16.00			10.31	9.60
Newman's General Crop	Sykesville	.11		.71	1.00	.90		9.00	8.00	1.30	1.00	9.42	9.60
1925 Special	Sykesville	1.53		2.71	2.00	.90		12.60	12.00	5.12	5.00	22.64	19.20
Truckers Favorite	Sykesville	.94		1.74	2.00	1.25		9.45	8.00	4.91	5.00	16.75	16.80
Warfield's Special	Sykesville	.24		.79	1.00	1.00		9.30	8.00	3.88	4.00	11.99	12.00
Maryland Tobacco Growers Association, Balto., Md.															
†Md. Open Formula Fert., 5-8-7	Prince Frederick	4.38	3.00	4.89	5.00	1.10		7.90	8.00	7.08	7.00	30.13	30.40
†Md. Open Formula Fert., 4-8-4	Stoakley	3.46	3.00	3.89	4.00	1.00		8.10	8.00	4.40	4.00	24.09	24.00
†Md. Open Formula Fert., 7-6-5	Stoakley	5.86	5.00	6.41	7.00	.85		6.05	6.00	5.24	5.00	33.59	35.60
‡Standard Tobacco Bed 10-4-0	Baltimore	11.85		12.07	10.00	.45		8.40	4.00			53.39	42.40
‡Standard Tobacco Bed 10-4-0	Baltimore	11.71		11.91	10.00	.35		6.60	4.00			51.65	42.40
Massey and Wilmer, Chestertown, Md.															
10-5	Chestertown					1.65		10.85	10.00	4.84	5.00	10.63	10.00
Tom Junior Phosphate	Chestertown	4.05	3.89	4.87	5.00	1.50		8.20	8.00	5.00	5.00	28.63	28.80
Trustworthy	Chestertown	1.14	.73	1.91	2.00	1.65		7.95	8.00	5.74	5.00	17.25	16.80
Medford Fertilizer Works, Medford, Md.															
Number 3	Medford	.25		.68	1.00	1.20		10.50	9.00	4.20	4.00	12.56	12.60
2-8-5	Medford	.65		1.16	2.00	2.00		9.60	8.00	5.00	5.00	14.70	16.80
Miller Fertilizer Co., Balto., Md.															
Ammoniated 2-8-2	Baltimore	1.26	1.00	1.74	2.00	.90		8.10	8.00	2.20	2.00	13.72	14.40
Grain Grower 1-8-4	Baltimore	.56		.99	1.00	.65		8.45	8.00	4.16	4.00	12.46	12.00
Grain Grower 1-8-4	Baltimore	.60		1.06	1.00	1.05		7.95	8.00	4.12	4.00	12.47	12.00
Grain Grower 1-8-4	Baltimore	.58		1.02	1.00	1.23		7.52	8.00	4.20	4.00	12.13	12.00
H. G. Potato Fertilizer 7-6-5	Baltimore	5.60	5.00	6.08	7.00	1.50		6.00	6.00	4.60	5.00	31.83	35.60
H. G. Potato Fertilizer 7-6-5	Baltimore	5.76	5.00	6.14	7.00	.85		6.05	6.00	5.28	5.00	32.54	35.60
Kainit	Baltimore									13.20	12.00		
Nitrate of Soda	Baltimore			18.64	18.50								
Number 1 Potato and Vegetable Grower 4-8-4	Baltimore	3.63	3.00	4.04	4.00	.95		8.45	8.00	4.20	4.00	24.73	24.00
Number 1 Potato and Vegetable Grower 4-8-4	Baltimore	3.18	3.00	3.66	4.00	.60		8.00	8.00	4.42	4.00	23.07	24.00

*Total Phosphoric Acid. †Paid by Hubbard Fertilizer Co., Baltimore, Md. ‡Paid by United States Guano Co., Baltimore, Md.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Miller Fertilizer Co., Balto., Md.—Cont.													
Number 1 Potato and Vegetable Grower 4-8-4	Baltimore	**2.96**	3.00	**3.63**	4.00	**1.65**		**6.50**	8.00	**5.40**	4.00	**$22.99**	$24.00
Number 1 Potato and Vegetable Grower 4-8-4	Baltimore	**3.51**	3.00	**3.99**	4.00	**.85**		**8.35**	8.00	**4.16**	4.00	**24.43**	24.00
Number 1 Potato and Vegetable Grower 4-8-4	Baltimore	**2.90**	3.00	**3.48**	4.00	**.70**		**7.90**	8.00	**3.86**	4.00	**21.75**	24.00
Pimlico 2-8-10	Baltimore	**1.14**	1.00	**1.62**	2.00	**.85**		**7.65**	8.00	**10.40**	10.00	**19.52**	20.80
Standard Phosphate 3-8-3	Baltimore	**2.41**	2.00	**2.99**	3.00	**1.68**		**7.07**	8.00	**3.00**	3.00	**18.85**	19.20
Standard Phosphate 3-8-3	Baltimore	**2.56**	2.00	**3.07**	3.00	**.30**		**8.40**	8.00	**3.08**	3.00	**19.83**	19.20
Tankage	Baltimore			**9.00**	9.00			***11.25**	* 4.00			**41.63**	38.00
2-8-5 Fertilizer	Baltimore	**1.91**	1.00	**2.42**	2.00	**1.18**		**7.72**	8.00	**5.04**	5.00	**18.52**	16.80
0-12-5 Fertilizer	Baltimore					**1.35**		**11.80**	12.00	**5.36**	5.00	**11.57**	11.20
Vegetable Compound 5-8-5	Baltimore	**4.30**	3.00	**4.81**	5.00	**1.25**		**7.60**	8.00	**5.28**	5.00	**28.21**	28.80
Vegetable Compound 5-8-5	Baltimore	**3.99**	3.00	**4.50**	5.00	**.60**		**7.90**	8.00	**4.64**	5.00	**26.54**	28.80
Vegetable Compound 5-8-5	Baltimore	**4.10**	3.00	**4.77**	5.00	**1.23**		**7.67**	8.00	**5.24**	5.00	**28.05**	28.80
Vegetable Compound 5-8-5	Baltimore	**3.89**	3.00	**4.67**	5.00	**1.28**		**7.57**	8.00	**5.00**	5.00	**27.41**	28.80
Nitrate Agencies Co., Balto., Md.													
NACO Brand 4-8-4 Equivalent, 5-10-5	Baltimore	**5.97**	3.00	**6.53**	5.00	**1.45**		**9.65**	10.00	**5.00**	5.00	**36.13**	30.00
NACO Brand 2-12-2	Baltimore	**2.72**	1.33	**2.96**	2.00	**1.35**		**12.75**	12.00	**2.96**	2.00	**22.06**	16.80
G. Ober and Sons Co., Balto., Md.													
Acid Phosphate H. G.	Baltimore					**.40**		**16.60**	16.00			**10.02**	9.60
Acid Phosphate H. G.	Baltimore					**.50**		**16.10**	16.00			**9.74**	9.60
Farmers Mixture	Baltimore	**.75**	.84	**1.16**	1.00	**1.00**		**9.50**	9.00	**2.80**	2.00	**12.73**	11.00
Farmers Mixture	Baltimore	**.75**	.84	**1.09**	1.00	**1.20**		**9.40**	9.00	**2.28**	2.00	**12.00**	11.00
Fruit and Vine Truck Guano	Baltimore	**3.53**	1.70	**4.86**	5.00	**.85**		**7.95**	7.00	**5.00**	5.00	**28.34**	28.20
Fruit and Vine Truck Guano	Baltimore	**3.22**	1.70	**4.48**	5.00	**.50**		**8.20**	7.00	**5.00**	5.00	**26.92**	28.20

Fruit and Vine Truck Guano	Baltimore	**3.53**	1.70	**4.86**	5.00	**.85**		**7.95**	7.00	**5.00**	5.00	**28.34**	28.20
Fruit and Vine Truck Guano	Baltimore	**3.22**	1.70	**4.48**	5.00	**.50**		**8.20**	7.00	**5.00**	5.00	**26.92**	28.20
Fruit and Vine Truck Guano	Baltimore	**3.57**	1.70	**4.83**	5.00	**.70**		**7.30**	7.00	**5.00**	5.00	**27.81**	28.20
Kainit	Baltimore									**12.88**	12.40		
Kainit	Baltimore									**12.40**	12.40		
Nitrate of Soda	Baltimore			**18.24**	18.00								
Pure Bone Meal	Baltimore			**2.72**	3.00			***23.70**	***22.00**			**22.73**	23.00
Special Compound for Tobacco	Leonardtown	**2.64**	1.00	**3.02**	3.00	**1.40**		**8.00**	8.00	**3.00**	3.00	**19.49**	19.20
Special Compound for Tobacco	Baltimore	**2.27**	1.00	**2.99**	3.00	**.25**		**8.85**	8.00	**3.32**	3.00	**19.97**	19.20
Special Plant Food	Baltimore	**1.54**	.70	**2.26**	2.00	**1.45**		**9.25**	9.00	**5.24**	5.00	**19.00**	17.40
Special Plant Food	Baltimore	**1.42**	.70	**2.20**	2.00	**1.25**		**9.35**	9.00	**5.08**	5.00	**18.66**	17.40
Special Tobacco Bed Fertilizer	Baltimore	**6.97**	3.34	**9.41**	10.00	**.55**		**4.65**	4.00			**40.51**	42.40
Special Tobacco Bed Fertilizer	Baltimore	**6.59**	3.34	**9.03**	10.00	**.80**		**4.30**	4.00			**38.82**	42.40
Stag Guano	Baltimore	**1.02**	.34	**1.43**	1.00	**.95**		**8.65**	8.00	**4.88**	4.00	**14.95**	12.00
Stag Guano	Baltimore	**.81**	.34	**1.19**	1.00	**1.70**		**8.20**	8.00	**4.14**	4.00	**13.25**	12.00
Standard Potash Compound	Baltimore					**.65**		**12.55**	12.00	**6.04**	6.00	**12.46**	12.00
Standard Sou. Vegetable Com.	Baltimore	**4.57**	2.34	**6.38**	7.00	**1.30**		**6.20**	6.00	**5.66**	5.00	**33.97**	35.60
Standard Sou. Vegetable Com.	Baltimore	**4.80**	2.34	**6.63**	7.00	**.90**		**6.70**	6.00	**5.64**	5.00	**35.19**	35.60
Standard Sou. Vegetable Com.	Baltimore	**4.79**	2.34	**6.82**	7.00	**.80**		**6.60**	6.00	**5.28**	5.00	**35.58**	35.60
Standard Sou. Vegetable Com.	Baltimore	**4.81**	2.34	**6.89**	7.00	**.80**		**6.00**	6.00	**5.24**	5.00	**35.47**	35.60
Standard Sou. Vegetable Com.	Baltimore	**4.58**	2.34	**6.75**	7.00	**.55**		**6.75**	6.00	**5.16**	5.00	**35.26**	35.60
Standard Sou. Vegetable Com.	Baltimore	**4.77**	2.34	**6.65**	7.00	**.70**		**7.10**	6.00	**5.16**	5.00	**35.10**	35.60
Standard Sou. Vegetable Com.	Baltimore	**4.99**	2.34	**7.00**	7.00	**.60**		**6.00**	6.00	**5.00**	5.00	**35.69**	35.60
Starkey Truck Compound	Baltimore	**3.09**	1.34	**4.01**	4.00	**1.00**		**8.20**	8.00	**5.56**	5.00	**25.56**	24.80
Starkey Truck Compound	Baltimore	**3.10**	1.34	**3.99**	4.00	**1.50**		**8.05**	8.00	**5.40**	5.00	**25.34**	24.80
Superior Potato and Vegetable Grower	Baltimore	**1.47**	.70	**2.05**	2.00	**.95**		**8.45**	8.00	**10.16**	10.00	**21.54**	20.80
Superior Potato and Vegetable Grower	Baltimore	**1.38**	.70	**2.05**	2.00	**.95**		**8.05**	8.00	**10.40**	10.00	**21.49**	20.80
Superior Potato and Vegetable Grower	Baltimore	**1.40**	.70	**2.13**	2.00	**.80**		**8.50**	8.00	**9.04**	10.00	**20.97**	20.80
Sweet Potato Grower	Baltimore	**2.01**	1.00	**2.56**	3.00	**1.15**		**8.35**	8.00	**6.69**	7.00	**20.77**	22.40
Oyler and Spangler Fertilizer Works, Gettysburg, Pa.													
16%	Emmitsburg					**1.30**		**16.00**	16.00			**9.80**	9.60
Potash Special	Emmitsburg					**.95**		**12.35**	12.00	**5.00**	5.00	**11.55**	11.20
Pacific Manure and Fertilizer Co., San Francisco, Cal.													
Groz-it Pulverized Sheep Manure	Baltimore	**.48**		**2.08**	1.50	**.05**		**.95**	.75	**2.76**	3.00	**11.11**	8.85

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Patuxent Guano Co., Balto., Md.													
Champion Fertilizer	Baltimore	1.30	-----	1.69	2.00	.70	-----	8.00	8.00	5.12	5.00	$15.77	$16.80
Peerless Fertilizer Co., Chestertown, Md.													
Acid Phosphate	Chestertown	-----	-----	-----	-----	.98	-----	15.67	16.00	-----	-----	9.55	9.60
American Fertilizer	Chestertown	2.88	1.52	3.99	4.00	.42	-----	6.08	6.00	5.91	5.00	24.40	23.60
Early Trucker	Chestertown	2.53	2.45	3.52	5.00	.85	-----	8.35	8.00	5.36	5.00	23.51	28.80
Fish Mixture	Chestertown	2.12	1.52	2.85	3.00	.70	-----	8.30	8.00	8.00	7.00	22.89	22.40
Imperial Compound	Chestertown	.94	.48	1.49	1.00	.75	-----	7.35	8.00	5.56	4.00	14.93	12.00
Peerless	Chestertown	1.21	.91	2.15	2.00	1.00	-----	8.00	8.00	5.78	5.00	18.17	16.80
Truckers Pride	Chestertown	5.27	3.65	6.43	7.00	1.13	-----	6.02	6.00	5.96	5.00	34.27	35.60
Special Sweet Potato	Chestertown	1.36	.90	2.13	2.00	.73	-----	7.72	8.00	10.72	10.00	21.84	20.80
Sweet Potato	Chestertown	1.58	.90	2.18	2.00	.40	-----	7.80	7.00	7.06	7.00	19.11	17.80
Piedmont Mt. Airy Guano Co., Balto., Md.													
Acid Phosphate	Jessups	-----	-----	-----	-----	2.60	-----	16.10	16.00	-----	-----	10.05	9.60
Acid Phosphate	Baltimore	-----	-----	-----	-----	1.00	-----	16.00	16.00	-----	-----	9.75	9.60
Early Trucker	Baltimore	4.16	1.66	4.54	5.00	1.25	-----	7.25	6.00	5.12	5.00	26.80	27.60
Early Trucker	Baltimore	4.07	1.66	4.58	5.00	.30	-----	7.00	6.00	5.00	5.00	26.57	27.60
Early Trucker	Baltimore	4.57	1.66	5.03	5.00	1.35	-----	6.45	6.00	4.38	5.00	27.69	27.60
Early Trucker	Baltimore	3.47	1.66	3.90	5.00	.60	-----	6.80	6.00	4.52	5.00	23.39	27.60
Farmers Favorite	Baltimore	.88	.32	1.14	1.00	1.50	-----	8.50	8.00	4.62	4.00	13.59	12.00
Farmers Favorite	Baltimore	1.26	.32	1.64	1.00	1.50	-----	8.20	8.00	4.36	4.00	15.20	12.00
Fish Mixture	Baltimore	1.59	.67	2.03	2.00	.95	-----	8.00	8.00	2.28	2.00	14.88	14.40
5-8-5 Fertilizer	Baltimore	4.27	1.66	4.82	5.00	1.05	-----	8.15	8.00	5.20	5.00	28.49	28.80
5-8-5 Fertilizer	Baltimore	4.54	1.66	4.93	5.00	.65	-----	8.25	8.00	6.66	5.00	30.10	28.80
Gold Rod	Jessups	5.76	2.51	6.27	7.00	1.80	-----	7.70	6.00	5.43	5.00	34.31	35.60
Gold Rod	Baltimore	5.05	2.51	5.70	7.00	.65	-----	6.75	6.00	3.31	5.00	29.60	35.60
Gold Rod	Baltimore	5.10	2.51	5.75	7.00	.60	-----	6.40	6.00	4.28	5.00	30.35	35.60

Gold Rod	Jessups	5.10	2.51	5.75	7.00	.65		6.75	6.00	3.31	5.00	29.60	35.60
Gold Rod	Baltimore	5.05	2.51	5.70	7.00	.65		6.75	6.00	3.31	5.00	29.60	35.60
Gold Rod	Baltimore	5.10	2.51	5.75	7.00	.60		6.40	6.00	4.28	5.00	30.35	35.60
Gold Rod	Baltimore	6.25	2.51	6.76	7.00	.55		6.75	6.00	5.04	5.00	35.20	35.60
Gold Rod	Baltimore	5.47	2.51	5.95	7.00	.60		7.10	6.00	4.48	5.00	31.73	35.60
H. G. Vegetable Grower	Baltimore	1.82	.67	2.13	2.00	1.45		8.25	8.00	9.04	10.00	20.92	20.80
H. G. Vegetable Grower	Baltimore	2.19	.67	2.70	2.00	1.25		8.35	8.00	8.72	10.00	22.98	20.80
Kainit	Baltimore									13.36	12.40		
Muriate of Potash	Baltimore									50.50	50.00		
Perfection Guano	Baltimore	1.79	.67	2.18	2.00	.75		8.05	8.00	7.44	5.00	19.61	16.80
Perfection Guano	Baltimore	1.59	.67	2.05	2.00	.30		8.40	8.00	4.68	5.00	17.03	16.80
Raw Bone Mixture	Baltimore	1.58	.41	2.14	1.25	3.70		8.80	8.00	3.24	2.00	16.99	11.40
Raw Bone Meal	Baltimore			4.71	4.50			*24.30	*20.50			30.99	28.25
Special Potash Mixture	Baltimore					1.65		9.00	10.00	5.36	5.00	9.94	10.00
Tankage	Baltimore			8.51	9.00			*11.40	*10.00			39.74	41.00
Plant Products Co., Balto., Md.													
PlanTabbs	Baltimore			7.99	13.37			*19.00	*15.00	10.36	20.00		
PlanTabbs	Baltimore			8.31	13.37			*18.75	*15.00	11.50	20.00		
PlanTabbs	Baltimore			8.31	13.37			*18.70	*15.00	11.24	20.00		
PlanTabbs	Baltimore			13.37	13.37			*19.45	*15.00	26.90	20.00		
Pulverized Manure Co., Chicago, Ill.													
Wizard Brand Sheep Manure	Baltimore	1.24		2.47	2.43	.05		1.25	1.25	2.18	2.00	12.38	12.07
Wizard Brand Sheep Manure	Berwyn			2.37	2.43	.10		1.30	1.25	2.88	2.00	12.58	12.07
Ramsburg Fertilizer Co., Frederick, Md.													
Ammoniated Bone Phosphate	Frederick	.38	.60	1.01	1.00	2.30		11.80	10.00	2.24	2.00	13.26	11.60
Corn and Potato Fertilizer	Frederick	.50	.60	1.01	1.00	2.35		12.05	10.00	4.32	4.00	15.08	13.20
Excelsior Plant Food	Frederick	.64	1.83	1.36	2.00	2.30		13.80	12.00	2.08	2.00	15.73	16.80
Excelsior Plant Food	Frederick	.67	1.83	1.49	2.00	2.82		12.73	12.00	2.20	2.00	15.78	16.80
Super Phosphate	Frederick					1.85		17.25	16.00			10.63	9.60
Truck and Tobacco Special	Frederick	1.45	1.83	2.08	2.00	2.00		9.10	8.00	6.06	5.00	18.93	16.80
Raisin-Monumental Co., Balto., Md.													
Best Potato Formula	Baltimore	3.71	2.00	3.98	4.00	.30		8.30	8.00	6.28	6.00	25.97	25.60
Best Tomato and Fruit Formula	Baltimore	2.78	1.52	3.00	3.00	.65		10.04	10.00	5.80	6.00	22.76	22.80
Sewall Truck Compound	Baltimore	4.35	2.97	4.62	5.00	.20		8.70	8.00	5.32	5.00	27.99	28.80
Seawall Truck Compound	Baltimore	4.54	2.97	4.80	5.00	1.35		8.00	8.00	5.30	5.00	28.44	28.80
United Grain Grower	Baltimore	.75	.49	1.01	1.00	.90		8.50	8.00	2.20	2.00	11.04	10.40
Universal Crop Manure	Baltimore	1.75	.78	2.01	2.00	1.00		8.20	8.00	5.72	5.00	17.69	16.80

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Reindollar Co., Taneytown, Md.													
Acid Phosphate	Taneytown	-----	-----	-----	-----	.70	-----	17.00	16.00	-----	-----	$10.31	$9.60
Acid Phosphate	Taneytown	-----	-----	-----	-----	.90	-----	16.90	16.00	-----	-----	10.28	9.60
Grain Grower	Taneytown	1.36	-----	2.08	2.00	2.40	-----	11.10	10.00	5.08	5.00	19.40	18.00
Pea Phosphate	Taneytown	-----	-----	-----	-----	.25	-----	13.75	12.00	10.32	10.00	16.55	15.20
Rock and Potash	Taneytown	-----	-----	-----	-----	1.20	-----	13.50	12.00	6.20	6.00	13.24	12.00
W. E. Robinson and Co., Bel Air, Md.													
Vegetable and Corn Grower	Fallston	2.54	.99	2.81	3.00	1.75	-----	8.25	8.00	3.46	3.00	19.22	19.20
F. S. Royster Guano Co., Balto., Md.													
Arrow 7% Potato Guano	Baltimore	5.19	4.66	6.61	7.00	.50	-----	6.10	6.00	5.04	5.00	34.21	35.60
Arrow 7% Potato Guano	Baltimore	5.27	4.66	6.60	7.00	.90	-----	6.20	6.00	5.04	5.00	34.29	35.60
Banner Guano	Baltimore	1.37	1.33	2.00	2.00	.70	-----	8.10	8.00	10.32	10.00	21.23	20.80
Banner Guano	Baltimore	1.35	1.33	2.00	2.00	1.75	-----	7.95	8.00	10.08	10.00	21.09	20.80
Bully Guano	Baltimore	1.23	1.33	1.90	2.00	.70	-----	8.30	8.00	4.84	5.00	16.56	16.80
Bully Guano	Baltimore	1.37	1.33	2.05	2.00	.70	-----	8.00	8.00	5.04	5.00	17.14	16.80
Cuckoo Guano	Baltimore	.82	-----	1.28	1.00	1.40	-----	8.05	8.00	1.54	1.00	11.39	9.60
Fish, Flesh and Fowl	Baltimore	1.28	1.30	2.00	2.00	.75	-----	8.15	8.00	3.08	3.00	15.46	15.20
Fish, Flesh and Fowl	Baltimore	1.26	1.30	1.98	2.00	1.90	-----	8.00	8.00	3.12	3.00	15.51	15.20
Ideal Guano	Baltimore	2.10	2.00	2.99	3.00	1.00	-----	8.30	8.00	8.00	8.00	23.49	23.20
Ripper Potato Guano	Baltimore	3.40	3.33	4.30	5.00	1.00	-----	7.50	7.00	5.04	5.00	25.88	28.20
Ripper Potato Guano	Baltimore	3.35	3.33	4.36	5.00	.85	-----	7.35	7.00	5.08	5.00	26.04	28.20
Ripper Potato Guano	Baltimore	3.66	3.33	4.79	5.00	1.40	-----	7.70	7.00	5.00	5.00	27.99	28.20
Scott Fertilizer Co., Elkton, Md.													
Potato Grower, 2-8-10	Elkton	1.44	1.00	1.92	2.00	1.40	-----	8.50	8.00	10.08	10.00	21.05	20.80
Potato and Truck Special 2-8-5	Elkton	1.33	1.00	1.88	2.00	1.35	-----	8.25	8.00	5.04	5.00	16.70	16.80

Potato and Truck Special 2-8-5	Elkton	1.33	1.00	*1.88	2.00	1.35		8.25	8.00	5.04	5.00	16.70	16.80
Sol. Phosphate and Potash 0-12-5	Elkton					1.38		11.71	12.00	4.00	5.00	11.24	11.20
Special Grain Grower ½-8-4	Elkton			.61	.50	.90		8.20	8.00	4.08	4.00	10.76	10.00
Sure Growth Compound 4-8-7	Elkton	3.10	3.00	3.78	4.00	1.40		8.10	8.00	7.04	7.00	25.82	26.40
Sure Growth Superphos. 2-8-3	Elkton	1.34	1.00	1.92	2.00	1.68		7.92	8.00	3.00	3.00	15.08	15.20
Seaboard By-Products Co., Balto., Md.													
Bone Meal	Baltimore			4.07	3.00			*23.30	*23.00			27.93	23.50
4-8-4	Baltimore	2.92	2.00	3.86	4.00	1.88		7.37	8.00	6.06	4.00	24.99	24.00
R. H. Slingluff Fertilizer Co., Balto., Md.													
Acid Phosphate	Baltimore					.90		16.10	16.00			9.80	9.60
Big and Bright Tobacco	Baltimore	1.93	2.00	3.50	4.00	2.25		8.00	8.00	4.58	5.00	22.80	24.80
Big and Bright Tobacco	Baltimore	1.83	2.00	3.71	4.00	1.20		8.30	8.00	5.00	5.00	24.00	24.80
General Crop Grower	Baltimore	.93	1.00	2.06	2.00	1.10		8.20	8.00	3.00	3.00	15.73	15.20
General Crop Grower	Baltimore	1.16	1.00	2.13	2.00	.65		8.25	8.00	3.04	3.00	16.00	15.20
Nitrate of Soda	Baltimore			17.03	18.00								
Raw Bone Meal	Baltimore			4.97	4.50			*21.30	*21.00			30.53	28.50
Sou. Maryland Tobacco Special	Baltimore	1.16	1.50	2.06	2.00	.70		11.00	10.00	6.36	6.00	20.04	18.80
Sou. Maryland Tobacco Special	Baltimore	1.11	1.50	2.03	2.00	1.00		10.20	10.00	6.24	6.00	19.38	18.80
Standard Phosphate	Baltimore	2.27	1.30	2.85	3.00	1.10		8.30	8.00	4.08	4.00	19.81	20.00
Sulphate of Ammonia	Baltimore			23.62	25.00								
Sulphate of Potash	Baltimore									48.80	48.00		
10% Tobacco Bed Special with 2% Potash	Wicomico	5.58	5.00	9.23	10.00	.55		5.45	4.00	2.56	2.00	42.32	44.00
10% Tobacco Bed Special with 2% Potash	Waldorf	5.36	5.00	9.90	10.00	.25		6.25	4.00	2.04	2.00	45.02	44.00
10% Tobacco Bed Special with 2% Potash	Baltimore	5.63	5.00	9.03	10.00	2.60		3.85	4.00	2.24	2.00	40.62	44.00
Stadler Products Co., Cleveland, Ohio													
Superior Plant Food	Baltimore	14.41		14.58	14.00	.30		7.50	6.00	9.08	8.00	70.13	67.20
Stumpp and Walter Co., Baltimore, Md.													
Acid Phosphate	Baltimore					.15		16.15	16.00			9.71	9.60
Bone Fertilizer	Baltimore			4.94	3.00			*25.50	*24.00			32.51	24.00
Emerald Grass Fertilizer	Baltimore	3.58	2.30	4.13	3.65	.50		5.10	5.00	3.50	3.00	22.46	20.00
General Garden Fertilizer	Baltimore	3.56	2.60	3.99	4.00	.50		8.30	8.00	2.72	3.00	23.20	23.20

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Stumpp and Walter Co., Balto., Md.—Cont.													
Nitrate of Soda	Baltimore			18.47	18.25								
Pulverized Sheep Manure	Baltimore	.45		2.36	2.50	.12		1.68	1.50	2.55	1.50	$12.51	$12.10
Summers Fertilizer Co., Inc., Balto., Md.													
Best on Earth Acid Phosphate	Baltimore					1.25		16.45	16.00			10.06	9.60
Best on Earth 5-8-5	Baltimore	3.06	2.50	4.14	5.00	2.45		8.55	8.00	5.04	5.00	26.09	28.80
Best on Earth 5-8-5	Baltimore	3.69	2.50	4.63	5.00	2.70		8.00	8.00	4.68	5.00	27.47	28.80
Best on Earth 5-8-5	Baltimore	3.94	2.50	4.76	5.00	1.85		8.55	8.00	4.72	5.00	28.23	28.80
Best on Earth 2-8-5	Baltimore	2.13	1.00	2.64	2.00	1.55		9.65	8.00	7.04	5.00	22.21	16.80
Kainit	Baltimore									12.40	12.40		
2-8-10	Baltimore	1.48	1.00	2.32	2.00	1.50		8.70	8.00	9.16	10.00	22.06	20.80
2-8-10	Baltimore	1.36	1.00	2.01	2.00	1.50		9.20	8.00	10.00	10.00	21.79	20.80
Superior Guano Co., Balto., Md.													
Acid Phosphate 16%	Baltimore					1.20		16.90	16.00			10.32	9.60
Acid Phosphate 16%	Baltimore					1.65		15.80	16.00			9.73	9.60
M. B. W. 5-7-5	Baltimore	3.09	2.43	4.10	5.00	.65		8.15	7.00	5.36	5.00	25.68	28.20
M. B. W. 4-8-4	Preston	3.62	.60	4.01	4.00	.80		8.20	8.00	4.36	4.00	24.57	24.00
M. B. W. 1-8-4	Baltimore	.69	.31	1.13	1.00	.70		8.90	8.00	3.82	4.00	13.03	12.00
M. B. W. 2-8-2	Baltimore	1.52		1.98	2.00	1.00		8.50	8.00	2.00	2.00	14.77	14.40
M. B. W. 2-8-10	Baltimore	1.62	.60	2.00	2.00	.50		8.40	8.00	10.00	10.00	21.12	20.80
M. B. W. 2-8-5	Baltimore	1.49	.60	2.00	2.00	.90		8.00	8.00	5.00	5.00	16.94	16.80
Fruit Special 2-8-5	Baltimore	1.55	.60	2.01	2.00	.80		8.10	8.00	5.00	5.00	17.02	16.80
Kainit	Baltimore									13.96	12.00		
Manure Salts	Baltimore									20.60	20.00		
Phosphate and Potash 0-10-10	Baltimore					.10		10.10	10.00	10.40	10.00	14.40	14.00
Phosphate and Potash 0-10-10	Baltimore					.15		10.05	10.00	10.08	10.00	14.11	14.00
Phosphate and Potash 0-10-10	Baltimore					.40		10.40	10.00	10.08	10.00	14.36	14.00
Swift and Company, Balto., Md.													

Swift and Company, Balto., Md.														
Acid Phosphate H. G. Fertilizer	Baltimore					.10		16.00	16.00			**9.62**	9.60	
Canning Crop Fertilizer	Baltimore	**3.56**		**3.99**	4.00	.75		8.25	8.00	**4.16**	4.00	**24.35**	24.00	
Champ. Wheat and Corn Grower	Baltimore	**1.67**	1.30	**2.01**	2.00	.75		**11.95**	12.00	**2.52**	2.00	**17.34**	16.80	
Early Potato Grower	Baltimore	**4.30**	3.25	**4.81**	5.00	.60		8.30	8.00	**5.00**	5.00	**28.31**	28.80	
Early Potato Grower	Baltimore	**4.27**	3.25	**4.78**	5.00	.70		8.20	8.00	**5.08**	5.00	**28.21**	28.80	
Early Potato Grower	Baltimore	**4.49**	3.25	**5.00**	5.00	.30		8.00	8.00	**5.24**	5.00	**29.04**	28.80	
Golden Grain Grower	Baltimore	**1.65**	1.30	**2.03**	2.00	.70		8.40	8.00	**5.16**	5.00	**17.40**	16.80	
Ground Dried Blood	Baltimore			**15.00**	16.00									
Hummer	Baltimore	**6.52**	4.55	**7.20**	7.00	.50		6.00	6.00	**5.08**	5.00	**36.54**	35.60	
Kainit	Baltimore									**12.96**	12.40			
Muriate of Potash	Baltimore									**52.60**	50.00			
Nitrate of Soda	Baltimore			**18.02**	18.00									
Planters Favorite	Baltimore	**2.35**	1.35	**3.00**	3.00	.85		8.45	8.00	**3.12**	3.00	**19.70**	19.20	
Raw Bone Meal Fertilizer	Baltimore			**4.74**	4.50			*20.35	*23.00			**29.14**	29.50	
Red Steer 4-8-6	Baltimore	**3.34**	2.60	**3.80**	4.00	.70		8.50	8.00	**6.04**	6.00	**25.24**	25.60	
Red Steer 2-8-2	Baltimore	**1.66**	1.30	**2.00**	2.00	.80		7.65	8.00	**2.20**	2.00	**14.47**	14.40	
Red Steer 2-8-2	Baltimore	**1.72**	1.30	**2.10**	2.00	.65		8.45	8.00	**2.12**	2.00	**15.27**	14.40	
Red Steer 0-10-10	Baltimore					.15		9.95	10.00	**10.24**	10.00	**14.18**	14.00	
Red Steer 0-10-10	Baltimore					.25		9.50	10.00	**9.35**	10.00	**13.22**	14.00	
Special H. G. Phos. and Potash	Baltimore					.60		12.40	12.00	**5.36**	5.00	**11.82**	11.20	
Special Potato Fertilizer	Baltimore	**1.69**	1.30	**2.05**	2.00	.95		8.25	8.00	**10.32**	10.00	**21.55**	20.80	
Special Potato Fertilizer	Leonardtown	**1.62**	1.30	**2.00**	2.00	1.00		8.20	8.00	**10.32**	10.00	**21.33**	20.80	
Special Wheat Grower	Baltimore	**.77**	.65	**.99**	1.00	.25		7.55	8.00	**5.00**	4.00	**12.53**	12.00	
Tankage	Baltimore			**8.46**	9.00			*9.70	*5.00			**38.69**	38.50	
Wm. B. Tilghman Co., Inc., Salisbury, Md.														
Early Truck Guano	Salisbury	**3.96**	3.29	**5.15**	5.00	1.78		7.77	8.00	**5.28**	5.00	**29.75**	28.80	
H. G. Phos. and Potash Mixture	Salisbury					1.78		12.07	12.00	**6.32**	6.00	**12.57**	12.00	
H. G. Potash Mixture	Salisbury	**1.46**		**2.36**	2.00	1.40		8.00	8.00	**9.74**	10.00	**22.24**	20.80	
Irish P. Guano	Salisbury	**5.37**	4.75	**6.50**	7.00	2.10		6.40	6.00	**5.28**	5.00	**34.38**	35.60	
Mixture "B"	Salisbury	**2.95**	2.25	**4.16**	4.00	1.60		8.00	8.00	**4.48**	4.00	**25.26**	24.00	
"S P" Mixture	Salisbury	**2.17**	1.64	**3.14**	3.00	2.05		8.30	8.00	**8.66**	8.00	**24.78**	23.20	
Special Corn Fertilizer	Salisbury	**.56**	.50	**1.19**	1.00	2.65		9.90	10.00	**5.28**	5.00	**15.32**	14.00	
Standard Fish Mixture	Salisbury	**1.13**	1.00	**2.44**	2.00	2.70		9.65	10.00	**2.40**	2.00	**17.88**	15.60	
United States Guano Co., Baltimore, Md.														
Acid Phosphate 16%	Baltimore					1.10		16.20	16.00			**9.89**	9.60	
Acid Phosphate 16%	Laurel					2.00		16.70	16.00			**10.32**	9.60	
Acid Phosphate 16%	Baltimore					.10		16.70	16.00			**10.04**	9.60	

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
United States Guano Co., Balto., Md.—Cont.													
Acid Phosphate 16%	Baltimore					1.25		15.90	16.00			$9.73	$9.60
Accomac Peninsula King	Crownsville	3.59		4.61	5.00	1.40		9.20	8.00	5.52	5.00	28.59	28.80
Accomac Peninsula King	Jessups	3.67		4.90	5.00	.80		8.20	8.00	5.74	5.00	29.23	28.80
Commercial Fertilizer 3-10-6	Crownsville	2.99		3.40	3.00	1.45		9.60	10.00	6.16	6.00	24.51	22.80
Evergreen Fish Guano	Crownsville	3.23		4.01	4.00	1.85		8.85	8.00	4.00	4.00	24.83	24.00
Fish	Baltimore			9.77	10.00								
Kainit	Baltimore									12.92	12.40		
Jumbo Potato Grower	Crownsville	5.52	4.18	6.44	7.00	.70		8.20	6.00	5.74	5.00	35.38	35.60
Jumbo Potato Grower	Jessups	5.17	4.18	6.18	7.00	.50		8.30	6.00	5.76	5.00	34.39	35.60
Mammoth Truck Grower	Baltimore	3.54	1.00	3.93	2.00	.40		8.40	8.00	4.44	5.00	24.37	16.80
Muriate of Potash	Laurel									50.70	50.00		
Muriate of Potash	Baltimore									52.00	50.00		
Muriate of Potash	Baltimore									46.95	50.00		
Nitrate of Soda	Baltimore			18.00	18.00								
Nitrate of Soda	Crownsville			18.06	18.00								
Nitrate of Soda	Laurel			18.91	18.00								
Old Fertility	Baltimore	3.24	1.00	3.91	2.00	1.25		8.65	8.00	4.36	3.00	24.51	15.20
Old Fertility	Baltimore	1.84	1.00	2.20	2.00	1.15		9.15	8.00	2.76	3.00	16.67	15.20
Phosphate and Potash Mixture	Baltimore					.85		8.55	10.00	10.92	10.00	14.00	14.00
Phosphate and Potash Mixture	Baltimore					1.70		8.50	10.00	8.66	10.00	12.29	14.00
Raw Bone Meal	Laurel			4.50	4.50			*22.50	*22.00			29.25	29.00
Sulphate of Ammonia	Baltimore			25.06	25.00								
Sulphate of Potash	Laurel									50.15	48.00		
Truckers Fish Guano Tob. Mix	Baltimore	2.82		3.62	3.00	1.80		8.60	8.00	3.20	3.00	22.47	19.20
E. S. Valliant and Son, Centreville, Md.													
Acid Phosphate	Centreville					.45		17.55	16.00			10.60	9.60
Corn Mixture	Centreville					1.30		6.35	4.00	6.76	7.00	9.42	8.00

Corn Mixture	Centreville					1.30		6.35	4.00	6.76	7.00	9.42	8.00
Fish Mixture	Centreville	1.92	1.50	2.23	2.00	.65		9.65	9.00	5.64	6.00	19.32	18.20
Grain Grower	Centreville			1.63	.50	1.00		10.40	8.00	3.19	2.00	15.46	8.40
Kainit	Centreville									13.44	12.40		
Keystone	Centreville	1.79	1.50	2.08	2.00	.50		8.70	8.00	5.28	5.00	17.84	16.80
Oriole	Centreville			.90	.50	1.15		9.65	9.00	4.92	4.00	13.50	10.60
Pea Special	Centreville	3.10	2.00	3.68	4.00	2.00		8.00	8.00	5.14	4.00	23.93	24.00
W. H. Valliant and Bro., Bellevue, Md.													
Fish Lime and Potash	Bellevue	.37		1.80	2.00					5.96	5.00	11.97	12.00
Fish Special	Bellevue	.60	.50	2.03	2.00	2.05		8.95	8.00	5.74	6.00	18.39	17.60
Virginia-Carolina Chemical Co., Balto., Md.													
Acid Phosphate 16%	Baltimore					.30		15.60	16.00			9.41	9.60
Blue Ribbon Fertilizer	Baltimore	1.81	.78	2.01	2.00	.60		9.30	8.00	4.22	5.00	17.09	16.80
Blue Ribbon Fertilizer	Baltimore	1.57	.78	1.86	2.00	.50		8.50	8.00	4.85	5.00	16.50	16.80
Champion Brand	Baltimore	3.92	2.00	4.18	4.00	1.00		8.20	8.00	4.00	4.00	24.99	24.00
Champion Brand	Baltimore	3.75	2.00	4.13	4.00	.70		8.70	8.00	4.00	4.00	25.05	24.00
Electric Brand	Baltimore	.80	.49	1.04	1.00	.50		8.50	8.00	4.00	4.00	12.54	12.00
Electric Brand	Baltimore	.80	.49	1.06	1.00	.65		9.05	8.00	3.46	4.00	12.54	12.00
Eureka Brand	Baltimore	1.85	.78	2.00	2.00	.30		8.50	8.00	10.00	10.00	21.15	20.80
Fish, Bone and Potash	Baltimore	1.50	.67	1.79	2.00	.75		8.45	8.00	3.16	3.00	14.87	15.20
Fish, Bone and Potash	Baltimore	1.40	.67	1.79	2.00	1.43		7.82	8.00	2.79	3.00	14.29	15.20
Genuine Imported Kainit	Baltimore									12.40	12.40		
Genuine Imported Kainit	Baltimore									12.44	12.40		
Ground Tankage	Baltimore			10.73	9.00			*5.60	*4.00			45.72	38.00
Monarch Brand	Baltimore	1.94	.73	2.18	2.00	.45		12.05	12.00	4.08	4.00	19.28	18.40
Muriate of Potash	Baltimore									52.10	48.00		
Nitrate of Soda	Baltimore			18.57	18.00								
Owl Brand	Baltimore	1.60	.78	1.84	2.00	.45		8.45	8.00	3.68	3.00	15.44	15.20
Roan Steer Guano Number 2	Baltimore	1.71	.80	2.00	2.00	.60		12.00	12.00	3.12	2.00	17.79	16.80
Super Thirty	Baltimore	5.82	4.20	5.99	6.00	.15		18.55	18.00	6.28	6.00	40.13	39.60
Tinsley's 7% Truck Fertilizer	Baltimore	5.70	4.20	5.97	7.00	.25		6.85	6.00	5.04	5.00	32.06	35.60
Virginia Trucker	Baltimore	4.90	2.98	5.17	5.00	.75		8.15	8.00	5.04	5.00	29.71	28.80
Virginia Trucker	Baltimore	4.72	2.98	5.10	5.00	1.00		8.30	8.00	5.04	5.00	29.56	28.80
Virginia Trucker	Baltimore	4.38	2.98	4.64	5.00	.15		8.05	8.00	5.64	5.00	27.92	28.80
Virginia Trucker	Baltimore	4.53	2.98	4.80	5.00	.25		8.35	8.00	5.16	5.00	28.38	28.80
Virginia Trucker	Baltimore	4.05	2.98	4.36	5.00	.75		8.05	8.00	5.32	5.00	26.64	28.80

*Total Phosphoric Acid.

Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling	H_2O. SOL. AMMONIA		NITROGEN Calculated as AMMONIA		PHOSPHORIC ACID				POTASH K_2O.		Comparative Value Per Ton Found	Comparative Value Per Ton Guaranteed
						Insoluble		Available					
		Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found	Guaranteed		
Washington Abattoir Co.,Inc., Benning, D. C.													
Plantonic	Hyattsville	1.34		6.02	5.50			*18.05	*18.00	.84	1.75		
Westminster Fertilizer Co., Westminster, Md.													
Acid Phosphate 16%	Westminster					.45		18.45	16.00			$11.14	$9.60
Governor	Westminster	1.14	.74	1.60	1.50	.55		12.35	11.00	3.04	3.00	16.32	15.00
Leader	Westminster	.46	.49	1.06	1.00	.75		10.75	10.00	3.16	3.00	13.33	12.40
Super-A	Westminster	.60	.49	1.08	1.00	.75		10.85	10.00	2.68	2.00	13.08	11.60
J. Cleveland White, Salisbury, Md.													
Tomato Compound	Baltimore	1.79	.90	2.08	2.00	.75		8.25	8.00	5.00	5.00	17.38	16.80
Wiseman-Downs Co., Balto., Md.													
P'd by Seaboard Products Co., Balto., Md.													
General Crop Grower	Baltimore	.99	1.00	2.00	2.00	1.05		8.05	8.00	2.82	2.00	15.25	14.40
Standard	Baltimore	2.09	1.50	3.05	3.00	1.10		8.05	8.00	3.78	4.00	20.22	20.00
Truck Grower	Baltimore	3.19	2.50	4.79	5.00	2.15		7.15	7.00	5.12	5.00	27.87	28.20
Worcester Fertilizer Co., Snow Hill, Md.													
Acid Phosphate 16%	Snow Hill					1.45		16.25	16.00			9.97	9.60
Correct Plant Food Mixture 5-8-5	Snow Hill	3.23	1.66	5.00	5.00	1.55		9.45	8.00	5.00	5.00	29.90	28.80
Correct Plant Food Mixture 1-8-2	Snow Hill	.67	.33	1.42	1.00	1.90		8.70	8.00	3.50	2.00	13.99	10.40
Correct Plant Food Mixture 2-8-2	Snow Hill	1.54	.66	2.48	2.00	1.05		7.95	8.00	2.92	2.00	17.19	14.40
Correct Plant Food Mixture 7-6-5	Snow Hill	4.58	2.33	7.40	7.00	1.75		6.65	6.00	5.72	5.00	38.43	35.60
Correct Plant Food Mixt. 0-12-5	Snow Hill					1.00		12.00	12.00	5.74	5.00	11.94	11.20

*Total Phosphoric Acid.